



User Manual

Compuprint

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6416



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FCC COMPLIANCE STATEMENT FOR AMERICAN USERS

This equipment has been tested and found to comply with the limits for a CLASS A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense.

EMS AND EMI COMPLIANCE STATEMENT FOR EUROPEAN USERS

This equipment has been tested and passed with the requirements relating to electromagnetic compatibility based on the standards EN 55022:2006/A1:2007 Class A, EN61000-3-2:2006/A2:2009, EN 61000-3-3:2008 and EN55024:1998/A1:2001/A2:2003, IEC 61000-4-2:2008 series. The equipment has also been tested and passed in accordance with the European Standard EN55022 for the both Radiated and Conducted emissions limits.

EZ PLUS SERIES TO WHICH THIS DECLARATION RELATES IS IN CONFORMITY WITH THE FOLLOWING STANDARDS

IEC 60950-1:2005(2nd Edition)+Am 1:2009, GB4943-2001 GB9254-2008(Class A) GB17625.1-2003, EN 55022:2006/A1:2007 Class A, EN61000-3-2:2006/A2:2009, EN 61000-3-3:2008 and EN55024:1998/A1:2001/A2:2003, IEC 61000-4-2:2008 series, UL 60950-1, 1st Edition, 2007-10-31 CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07, CFR 47, Part 15

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

此为Class

A产品，在生活环境中，该产品可能造成无线电干扰，在这种情况下，可能需要用户对其干扰采取切实可行的措施。

SAFETY INSTRUCTIONS

Please read the following instructions carefully.

1. Keep the equipment away from humidity.
2. Before you connect the equipment to the power outlet, please check the voltage of the power source.
3. Make sure the printer is off before plugging the power connector into the power jack.
4. It is recommended that you connect the printer to a surge protector to prevent possible transient overvoltage damage.
5. Be careful not to get liquid on the equipment to avoid electrical shock.
6. For safety and warranty reasons, ONLY qualified service personnel should open the equipment.
7. Do not repair or adjust energized equipment under any circumstances.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Caution

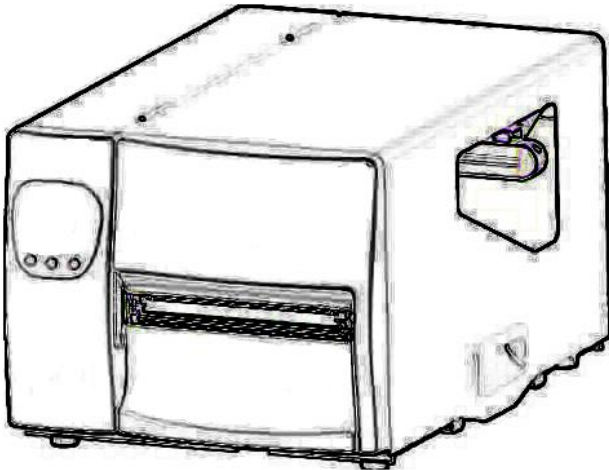
- Danger of explosion if battery is incorrectly replaced.
- Replace only with the equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the manufacturer's instructions.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1 Barcode Printer

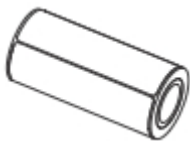
1.1 Box Content

Please check that all of the following items are included with your printer:

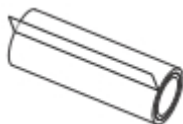
- Compuprint 6416 Barcode Printer



- Label Stock



- Ribbon



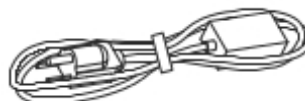
- Empty ribbon core



- USB Cable



- Power Cord



- Compuprint 6416 Quick Guide



- CD
Including Label software, drivers and
Compuprint 6416 user manual

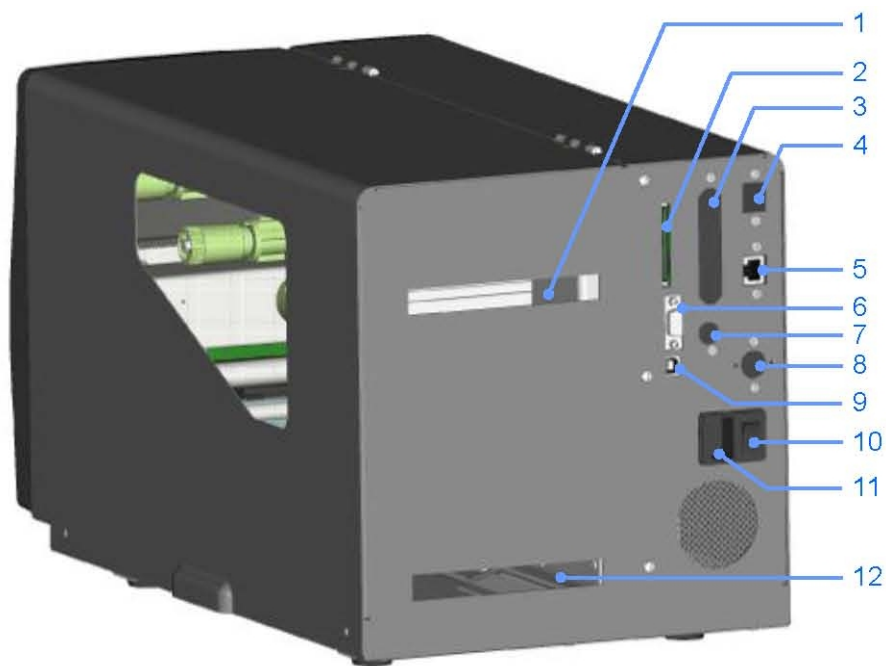


1.2 Getting To Know Your Printer

External View

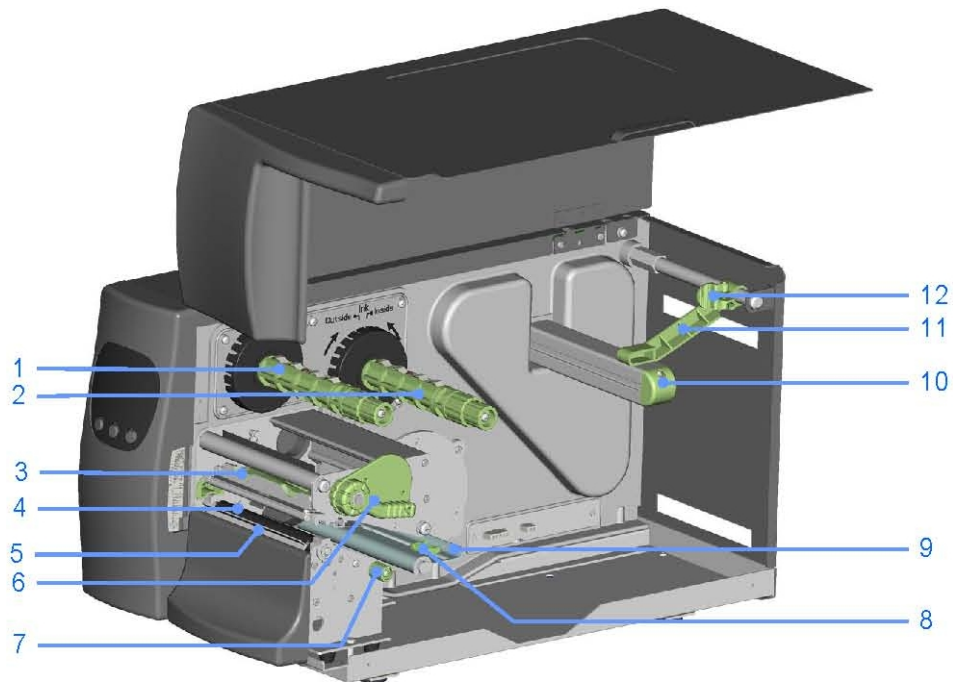


1	Operator panel with LCD display	3	Viewing window
2	Lower cover plate	4	Printer cover

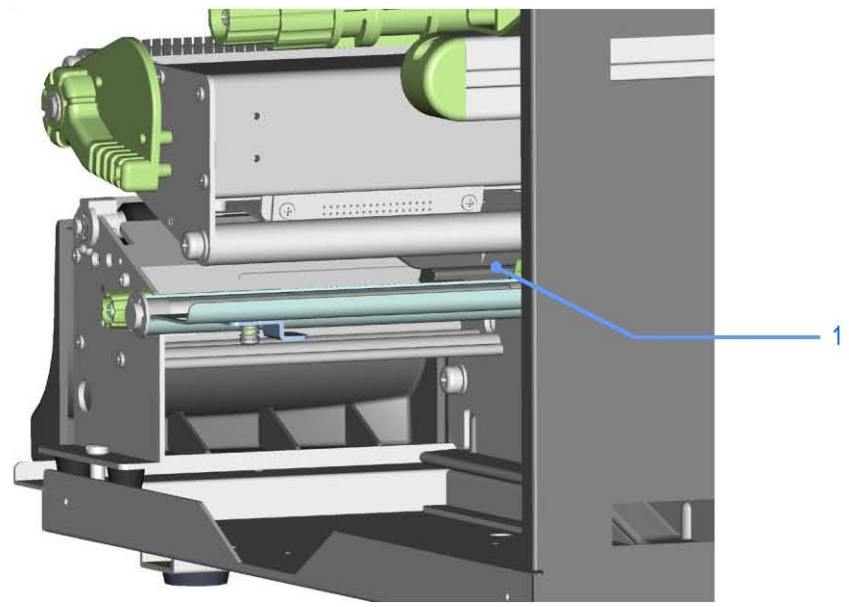


1	Feed slot for continuous labels	7	PS/2 port (optional)
2	CF card slot	8	Applicator interface (optional)
3	Parallel port (optional)	9	USB port
4	WLAN antenna interface (optional)	10	On/Off switch
5	Ethernet port	11	Power jack
6	Serial port (DB-9)	12	Feed slot for continuous labels

Internal View



1	Ribbon rewind hub	7	Adjustment wheel for sensor
2	Ribbon supply hub	8	Paper guide
3	Print mechanism	9	Label tension guide
4	Platen roller	10	Label supply hub
5	Tear-off plate	11	Label roll guide
6	Release lever for print head	12	Release catch



1	Movable sensor		
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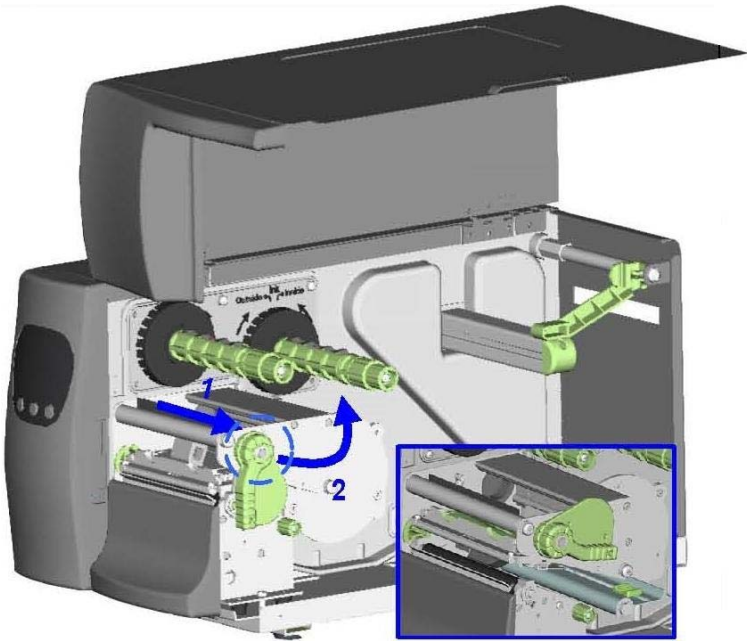
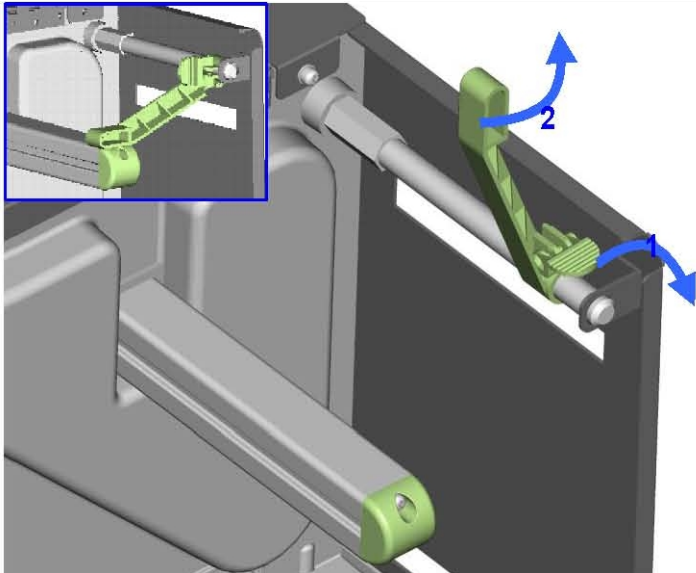
2 Printer Setup

This printer supports the following printing methods:

- Thermal transfer printing (TTP): Requires a ribbon for transferring a printed image to a media.
- Direct Thermal printing (DTP): Does not require a ribbon, only thermal paper.

Please check which printing method you are using and after the setting accordingly in the printer driver, Printer menu, and/or software.

2.1 Loading the Label Roll

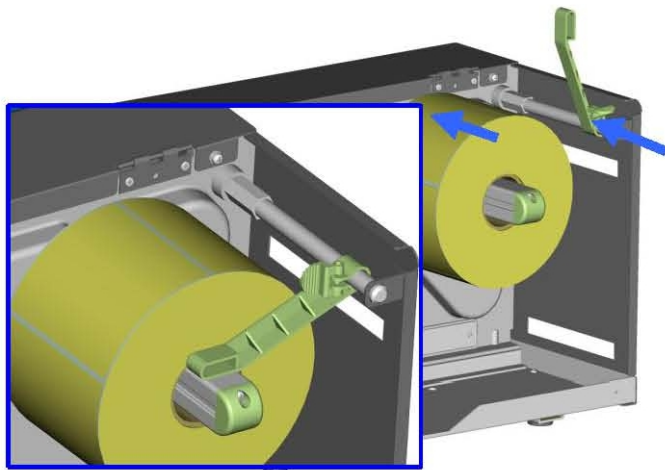
<p>1. Place the printer on a flat surface and open the printer cover.</p> <p>2. Pull out the print head release lever as shown in the illustration (1) and turn it anticlockwise to a top right position (2).</p>	
<p>3. Pull the release catch for the label roll guide to the right as shown by the blue arrow 1.</p> <p>4. Now slide the label roll guide forward and fold it up as shown by the blue arrow 2.</p>	

5. Place the label roll on the label supply hub, pushing it right up to the printer housing.
(Do not apply too much pressure to avoid damaging the label stock.)

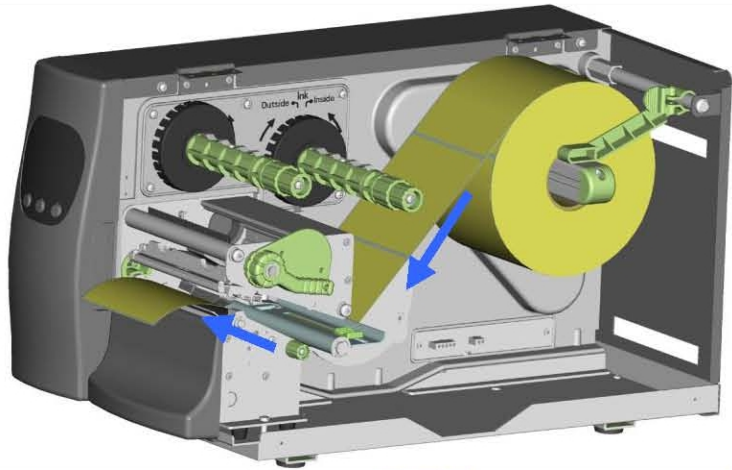
6. Fold the label roll guide back down and push it against the label roll.

Note

When moving the label roll guide, hold it only by the end that is attached to the bracket, not by its top.



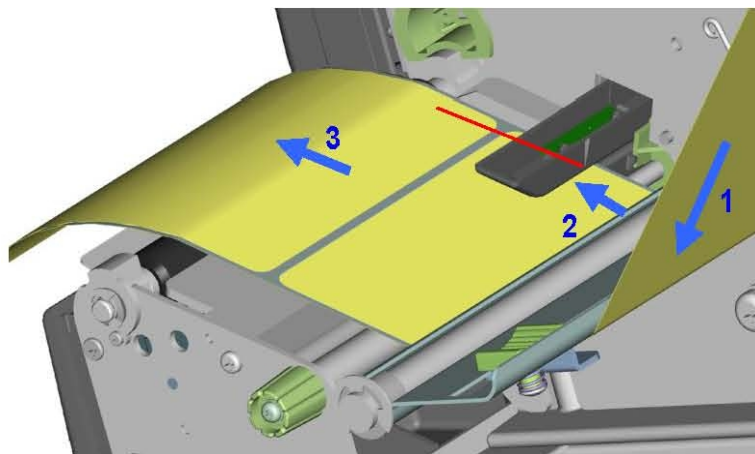
7. Load the label roll into the printer as shown in the illustration. Pass it through the printer as indicated by the blue arrows.



8. Pass the label stock through the sensor and up to the tear-off plate.

Note

Remember to set the movable sensor to gap, black mark, or tag hole by changing the position of the sensor with the adjustment wheel.



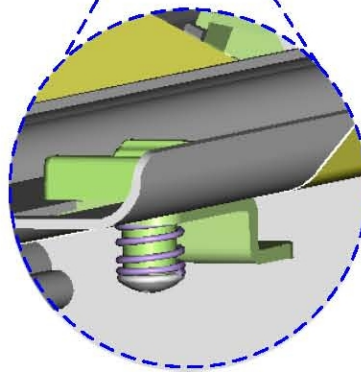
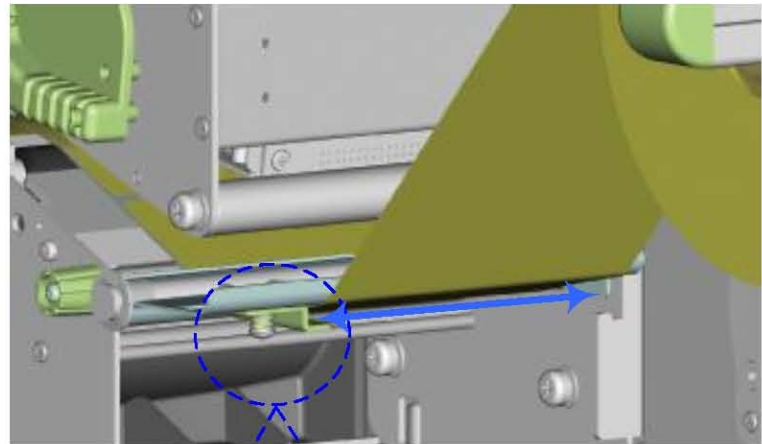
9. The labels pass between the wall of the printer housing and the adjustable paper guide.

Note

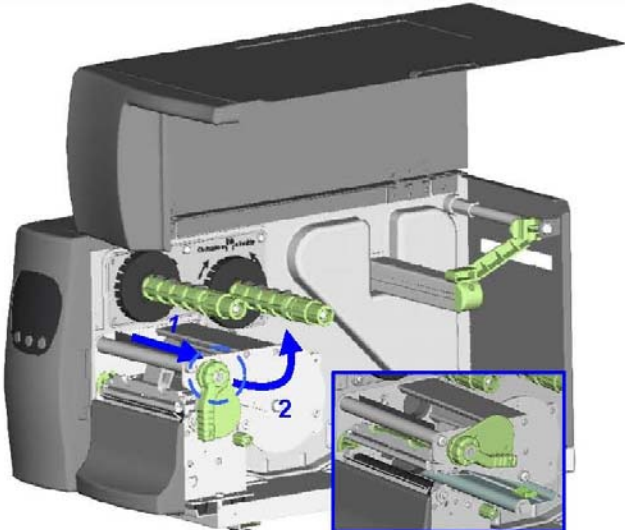
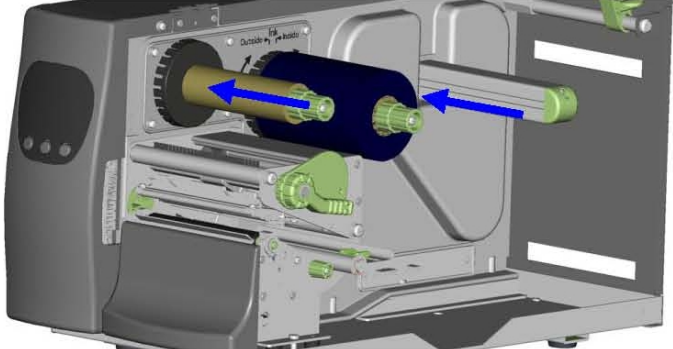
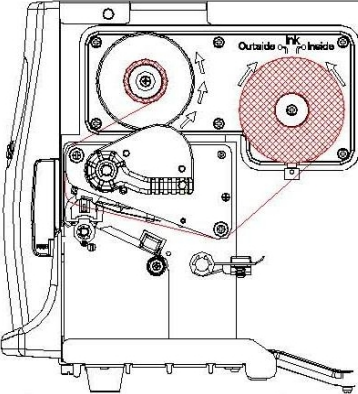
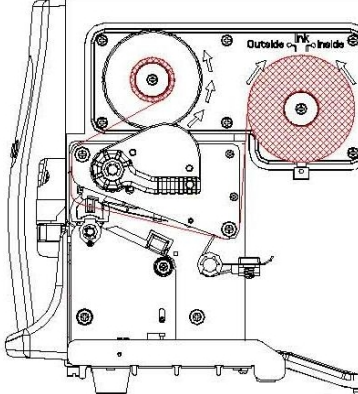
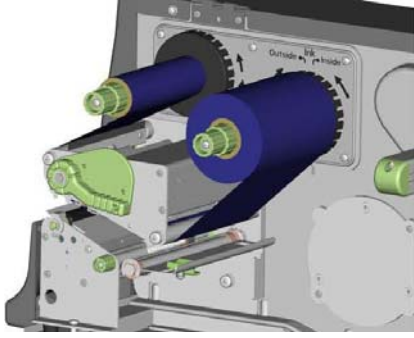
Pass the labels through the printer as shown in the illustration.

10. Return the print head release lever to its original position.

11. Then close the printer cover.

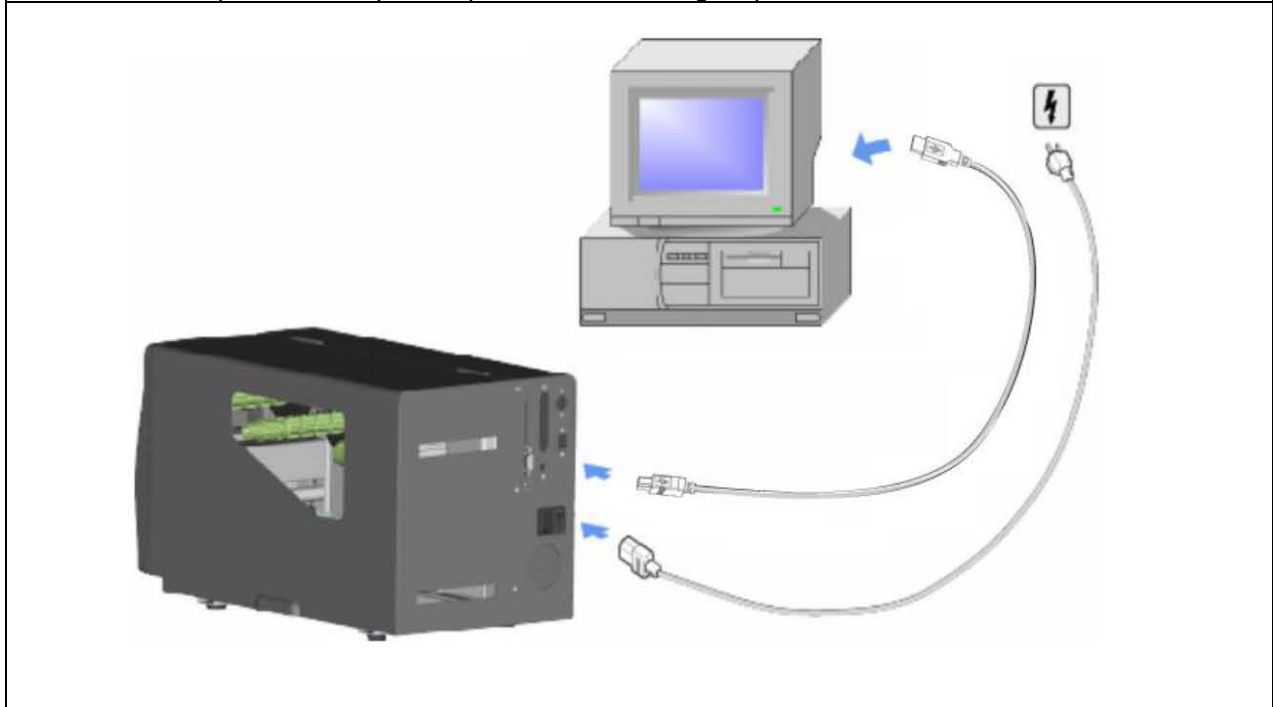


2-2 Loading the ribbon

<p>1. Place the printer on a flat surface and open the printer cover.</p> <p>2. Pull out the print head release lever as shown in the illustration (1) and turn it anticlockwise to a top right position (2).</p>	
<p>3. Place a new ribbon on the ribbon supply hub. Then place an empty ribbon core on the ribbon rewind hub.</p> <p>4. The two illustrations on the right show you how to install the ribbon depending on the ribbon type (ink side in or out).</p>	 <div style="display: flex; justify-content: space-around; margin-top: 10px;"> Ink side out Ink side in </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div>
<p>5. Pass the ribbon under the print head and back up on the other side. Attach it to the empty ribbon core.</p> <p>Note Do not pass the ribbon under the sensor.</p>	

2-3 Connecting the printer to the host computer

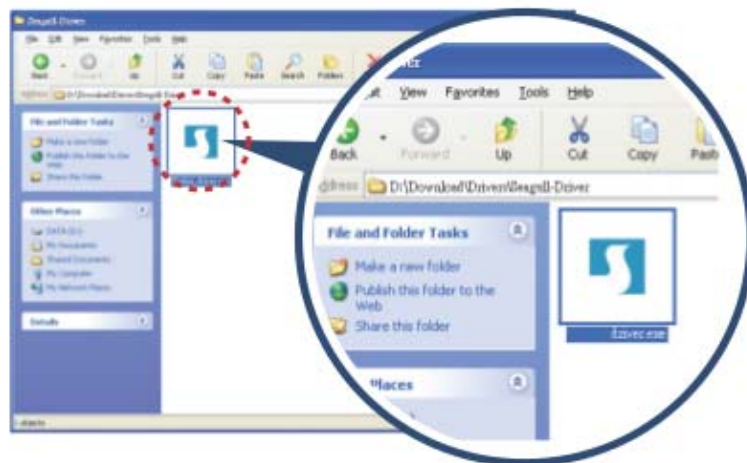
1. Please make sure that the printer is switched off.
2. Connect the power cord to the AC adapter and connect the adapter to the printer.
3. Connect the USB cable to the printer and host computer.
4. Switch on the printer. The operator panel should now light up.



2-4 Installing the driver

1. Insert the product CD in the CD/DVD drive of the host computer and open the "Windows Drivers" folder on the CD.

2. Select the icon for the driver file and click it to start the installation.

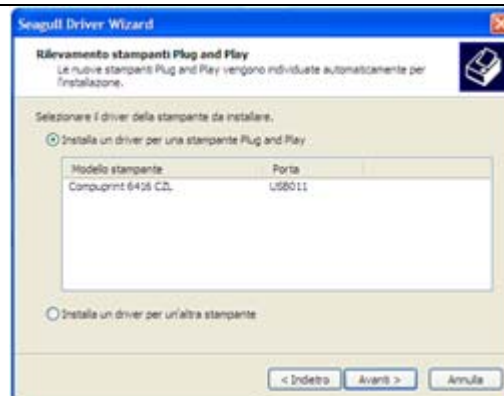


3. Follow the instructions on the screen. The Driver Wizard guides you through the installation procedure.

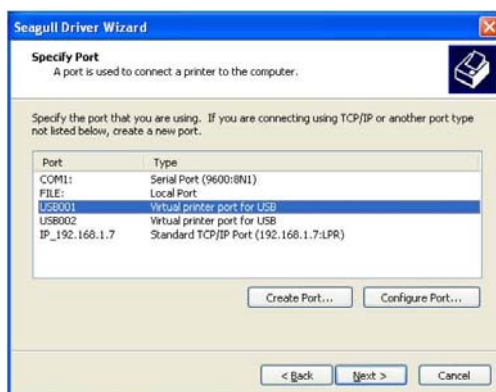
4. Select "Install printer drivers".



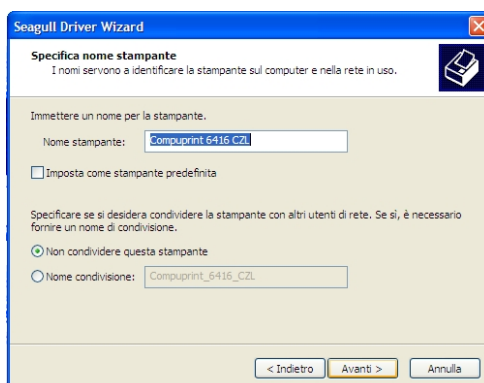
5. Specify your printer model.



6. Specify the port used to connect the printer to the host computer.



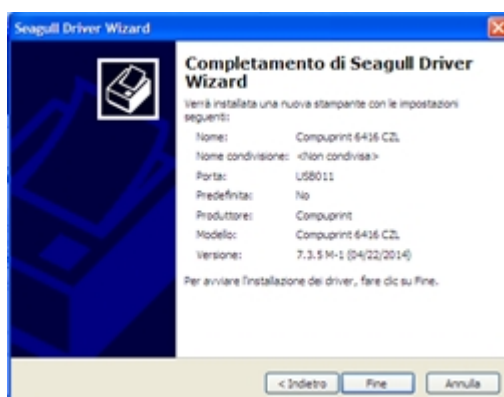
7. Enter a printer name and assign the appropriate rights.



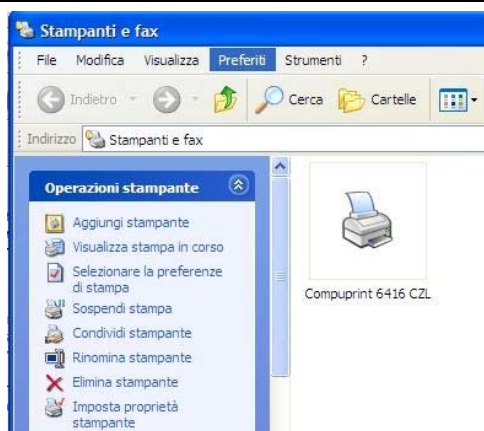
8. Once the installation is complete, a summary of the printer settings is displayed.

9. Check whether the printer settings are correct and click "Finish" to start copying the driver files.

10. Wait until copying is complete, then finish the installation.







11. Once the driver installation is complete, the new printer should be visible in the "Printers and Faxes" folder.






3. Operator panel and rinter Setting















3-1 Operator panel – introduction

	Function buttons	
		FEED
		PAUSE
		CANCEL
	LED indicators	
	POWER	The POWER (Ready) LED lights up when the printer has started up and is ready to print.
	RIBBON	Ribbon status indicator
	MEDIA	Media status indicator

3-2 Function buttons – introduction

	FEED button
	When you press the FEED button, the printer moves the label to the defined stop position. If you are using continuous labels, pressing the FEED button will move label stock until you release the button again. If you are using individual labels, pressing the FEED button will move only one label. If the label does not stop at the correct position, you need to run the auto-detection function on the label stock (see Section 3-6).
	PAUSE button
	Pressing the PAUSE button while the printer is in standby mode will set the printer to pause mode. The message "Pause" is shown on the LCD display. In this mode, the printer can receive commands, but it can only process them when it is reset to standby mode. Pressing the PAUSE button again will reset the printer to standby mode. Pressing the PAUSE button during printing will interrupt printing. When the PAUSE button is pressed again, the printer resumes printing. Example: While a 10-label print job is running, you press the PAUSE button to pause the printer. Two of the labels have been printed. To resume printing and print the remaining eight labels, you press the PAUSE button again.
	CANCEL button
	Pressing the CANCEL button during printing cancels a print job. The message "Print job cancelled" is shown on the LCD display. The current print job is cancelled. Example: While a 10-label print job is running, you press the CANCEL button. Two of the labels have been printed. The print job is cancelled and the remaining eight labels are not printed.

You can combine the FEED, PAUSE and CANCEL buttons in a number of ways to perform different printer functions:

Function	Button	Beeps	LCD display	Description
Self test	 + Power On	3 beeps	Self test	Switch on the printer and keep the  button pressed until you hear 3 beeps.
Dump mode	 + Power On	3 beeps → 1 beep	Now in Dump Mode	After the self test, keep the  button pressed until you hear a beep.
Auto-detection	 + Power On	3 beeps	Auto Sensing Mode	Switch on the printer and keep the  button pressed until you hear 3 beeps.
Factory settings	 +  + Power On	2x2 beeps	Go to default	Switch on the printer and keep the  and  buttons pressed until you hear 2 beeps. This resets the printer to the factory settings.
Download mode	 + Power On	1 beep	DL Mode Vx.xx	Switch on the printer and keep the  button pressed until you hear a beep. This mode is for download of the firmware only.
Settings mode		3 beeps	Setting mode	Switch on the printer and keep the  button pressed for about 3-4 seconds, until you hear 3 beeps.

3-3 Settings mode

In settings mode, you can change different settings, such as the printing mode, accessories / options, or media type.

1.

Switch on the printer and make sure that the message "Ready" is shown on the display.

2.

Press the PAUSE button and keep it pressed for about 3-4 seconds until you hear 3 beeps and the message "Settings" is shown on the display.

3.

In settings mode, the buttons have the following functions:
- : Minus / Enter

≡

: Menu / Next

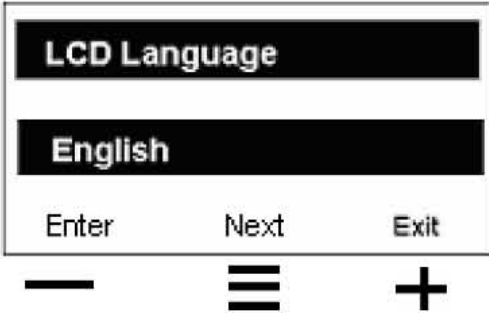
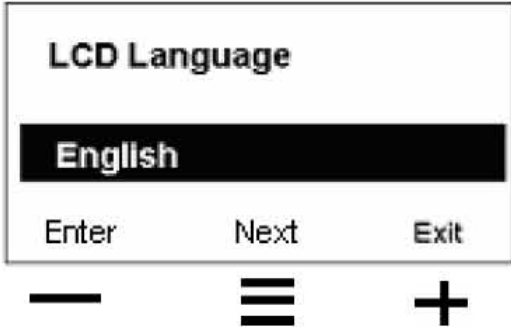
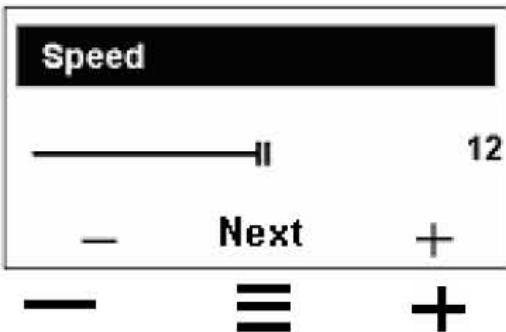
+

: Plus / Exit

4.

Before you exit settings mode, the printer will prompt you to save the changes you have made. Once you have saved or discarded your changes, the printer will switch back to standby mode.

Press the button and keep it pressed for about 3-4 seconds until you hear 3 beeps and the message Settings" is shown on the display. The options available are shown in the lower section of the display.

 <p>The screenshot shows the 'LCD Language' menu. The first line displays 'LCD Language' and the second line displays 'English'. Below the screen are three buttons: a minus sign (—), a menu icon (≡), and a plus sign (+). The buttons are labeled 'Enter', 'Next', and 'Exit' respectively.</p>	In settings mode, the first line always shows the name of a setting, the second line the current selection or value.									
 <p>The screenshot shows the 'LCD Language' menu. The first line displays 'LCD Language' and the second line displays 'English'. Below the screen are three buttons: a minus sign (—), a menu icon (≡), and a plus sign (+). The buttons are labeled 'Enter', 'Next', and 'Exit' respectively.</p>	To change the current selection or value, press the ENTER button. The current selection or value is highlighted.									
 <p>The screenshot shows the 'Speed' menu. The first line displays 'Speed' and the second line shows a slider bar with a vertical line indicating the current value. The number '12' is displayed to the right of the slider. Below the screen are three buttons: a minus sign (—), a menu icon (≡), and a plus sign (+). The buttons are labeled 'Next' and '+' respectively.</p>	<div>When you change a setting, the first line shows the name of the setting, the second line the current selection.</div> <table><tr><td>Plus: The</td><td>+</td><td>button increases the value.</td></tr><tr><td>Minus: The</td><td>—</td><td>button reduces the value.</td></tr><tr><td>Next: The</td><td>≡</td><td>button switches to the next settings option.</td></tr></table>	Plus: The	+	button increases the value.	Minus: The	—	button reduces the value.	Next: The	≡	button switches to the next settings option.
Plus: The	+	button increases the value.								
Minus: The	—	button reduces the value.								
Next: The	≡	button switches to the next settings option.								

The following table lists descriptions of the available settings and options:

Darkness	Default: 10 Sets the temperature during printing. Values range from 0 to 19, the default setting is 10.
Speed	Sets the print speed (inches per second (ips))
Stop position	Default: 12 The stop position determines how far the printed label is moved out (tear-off position / cut-off position)
Adjust stop position	Default: 0 Adjusts the printer's stop position. Values range from 0 to 10. This value changes the stop position, irrespective of the driver or software settings.
Vertical position	Default: 0 Sets the 0 position of the print head. Values range from -100 to 100.
Printing mode	Default: Thermal transfer Thermal transfer: Requires a ribbon to transfer a printed image to a label. Direct thermal: No ribbon is required for printing, but a direct thermal print medium must be loaded.
Accessories / options	Default: Option disabled Dispenser mode: Select to enable the dispenser mode. Cutter mode: Select to enable the cutter mode. Option disabled: Select this setting to disable both options.
Paper settings	Default: Die-cut labels Black marks: For labels or normal paper with black marks on the reverse side. Die-cut labels: For die-cut labels on label liner or labels with tag holes Continuous medium: For continuous label stock
RS232 (serial) settings	Baud rate: Default: 9600 bps (bits per second) 4800 bps 9600 bps 19200 bps 38400 bps 57600 bps 115200 bps
	Parity: Default: None None Odd Even
	Data length: Default: 8 bits 7 bits 8 bits
	Stop bit: Default: 1 bit 1 bit 2 bits
Sensor type	Default: Automatic Automatic: Automatic detection of label type (labels with black marks, die-cut labels, or continuous label stock) and label height Gap mode: For die-cut labels on label liner or labels with tag holes Reflective mode: For labels or normal paper with black marks on the reverse side.

LCD language	Default: English English Simplified Chinese Traditional Chinese Spanish Italian German French Turkish
Code pages installed	Default: Code page 850 Code page 850 Code page 852 Code page 437 Code page 860 Code page 863 Code page 865 Code page 857 Code page 861 Code page 862 Code page 855 Code page 866 Code page 737 Code page 851 Code page 869 Windows 1252 Windows 1250 Windows 1251 Windows 1253 Windows 1254 Windows 1255
Keyboard layout	Default: US US (International) English (UK) French German Spanish Italian Finnish Dutch Flemish
Keyboard mode	Retrieve label: Retrieval of a label from the memory Keyboard layout: Layout of the keyboard Code page setting: Code page setting Print option: Print quantity setting Clock setup: Sets the time on the clock shown on the display. Exit keyboard mode: Resets the printer to normal mode and ready to receive print jobs from the host computer.
Buzzer	Default: ON ON : Switches beep signals on or off OFF
No backfeed	Default: OFF ON: This function requires a dispenser or cutter. OFF
Password	Default: OFF ON: When password protection is enabled, you need a password to access the settings. OFF

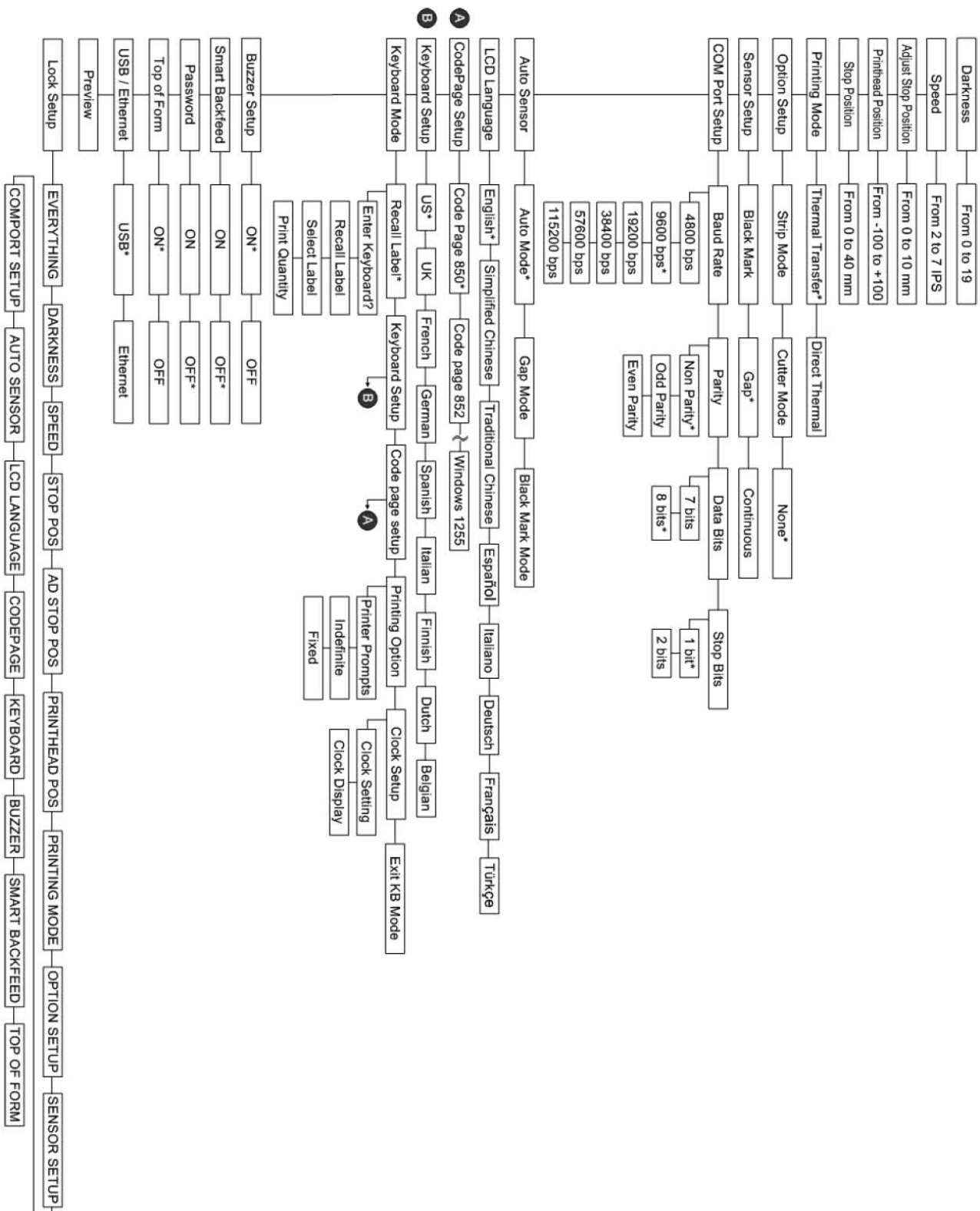
Top of form	Default: ON ON: Always starts printing at the top of the page. OFF
USB / Ethernet	Default: USB USB: Enables the USB port. Ethernet: Enables the Ethernet port.
Preview	Lets you preview and check the settings.
Lock setup	Locks the value(s) of any setting. When a value is locked, it cannot be altered by changes to the driver or by sending a command. You can lock the following values: EVERYTHING (locks all values) DARKNESS SPEED STOP POS AD STOP POS PRINthead POS PRINTING MODE OPTION SETUP SENSOR SETUP COMPORT SETUP AUTO SENSOR LCD LANGUAGE CODEPAGE KEYBOARD BUZZER SMART BACKFEED TOP OF FORM

Note 1

The default settings are the original factory settings. If you have changed the settings, your current settings will be displayed in settings mode.

Note 2

The printer will store your changes even after it is switched off. You can change the settings again in settings mode.



3.4 Self Test

Label Calibration

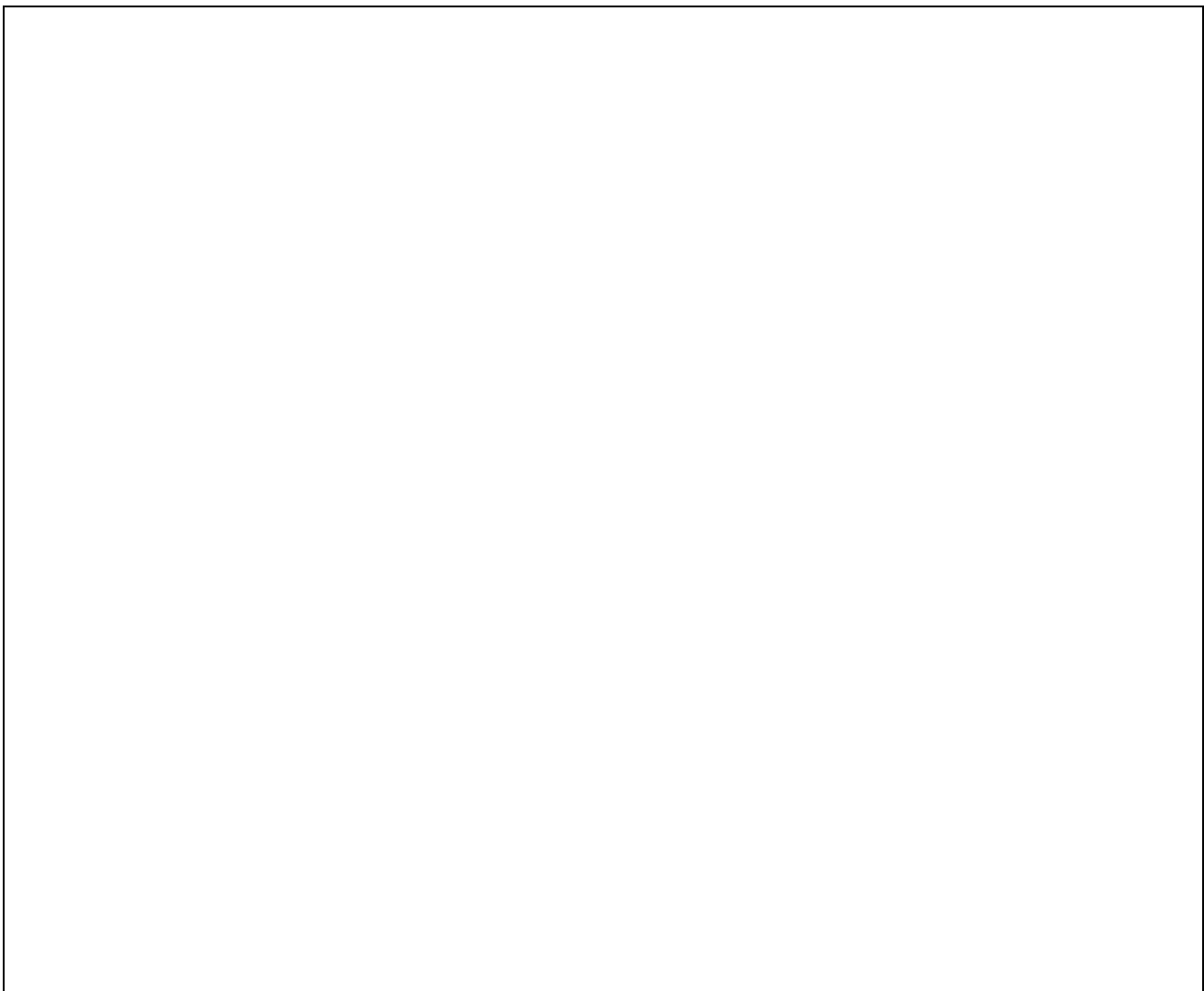
The printer can automatically detect and store label height.
That means the host computer does not need to transmit the label height to the printer.

Self Test

Self-test function lets you check whether the printer is functioning normally.
Here is how you run the label size calibration and self test.

1. Check that the label stock is loaded correctly.
2. Turn off the printer.
3. Turn the printer on again, keeping the FEED button pressed. The printer will now measure the label stock and store the label height.
4. Once the printer has successfully measured the label stock, it will print a self-test label.

The contents of a self-test printout are listed below.



3-5 Dump mode

If the label settings do not match the printer output, you should switch the printer to dump mode to check whether an error has occurred during the transfer between printer and host computer. In dump mode, the unprocessed raw data are sent to the printer and printed. This shows you quickly whether any data are sent to the printer at all.

Here is how you switch to dump mode:

1. Switch off the printer.
2. Switch on the printer, keeping the FEED button pressed.
3. When the message "Dump Mode" appears on the display, release the FEED button.
The printer will automatically print "Dump Mode Begin". That means the printer is now in dump mode.
4. Send commands to the printer and check whether they match the printer output.

To exit dump mode, press the FEED button. The printer will automatically print "Out Of Dump Mode" and switch to standby mode. Alternatively, you can switch off the printer to exit dump mode.

3-6 Label size calibration

The printer can automatically detect and store label height.
That means the host computer does not need to transmit the label height to the printer.

1. Check that the label sensor is positioned correctly.
2. Switch off the printer.
3. Switch on the printer, keeping the PAUSE button pressed. When you hear 3 beeps and the message "Auto Sensing Mode" appears on the display, release the PAUSE button.
The printer will now automatically measure the label size and store this information.
4. The label height in mm is shown on the display.

After displaying the label height, the printer switches back to standby mode.

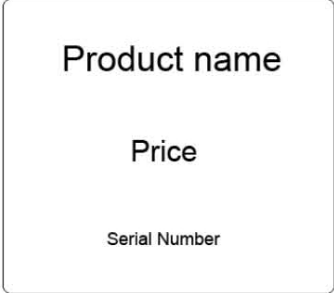
3-7 Keyboard mode

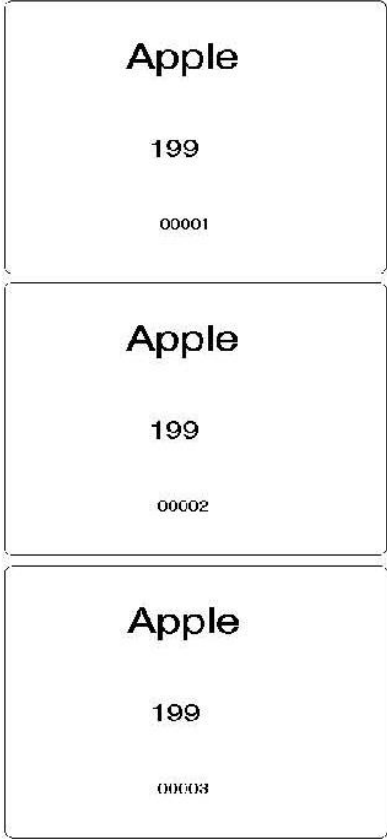
The 6416 thermal printer support keyboards with a PS/2 interface, provided the parallel/PS/2 adapter is installed. Here is how you connect a PS/2 keyboard:

1. Switch off the printer and plug the PS/2 connector into the appropriate printer port.
2. Switch on the printer. The message "Keyboard mode [Y/N]" is shown on the display.
Press the FEED button on the printer or the ENTER key on the keyboard to switch to keyboard mode.

In keyboard mode, you can go back to the previous page at any time by pressing the ESC key on the keyboard or the CANCEL button on the printer. If you keep going back, you will eventually be prompted to exit keyboard mode. To exit keyboard mode, press the ENTER key on the keyboard or the FEED button on the printer when the message "Exit keyboard mode? [Y/N]" appears on the display. To switch back to keyboard mode, either start up the printer again or select "Keyboard mode" in settings mode. If you wish to make any changes to the keyboard settings, please refer to the "Settings diagram" (in Section 3.3)

Printing a stored label in keyboard mode

<pre> ^FTTEST1 ^Q100,3 ^W100 ^H10 ^P1 ^S2 ^AD ^C1 ^R0 ~Q+0 ^O0 ^D0 ^E12 ~R200 ^L Dy2-me-dd Th:m:s C0,00001,+1,Serial Number V00,16,Product Name,jc0 V01,16,Price,jc0 AF,330,566,1,1,0,0,^C0 AH,212,168,1,1,0,0,^V00 AG,308,396,1,1,0,0,^V01 E </pre>	
	<p>1. At least one form must be stored in the printer. To create a sample label as shown above, copy the commands in the left-hand column and send them to the printer using HyperTerminal.</p> <p>2. The sample form contains 2 variables and a serial number: "Product name", "Price" and "Serial Number". Printing will start only when values have been set for all 3 variables.</p>
	<p>3. Switch off the printer, connect the PS/2 keyboard to the PS/2 printer port and switch the printer on again.</p> <p>4. Press "ENTER" to switch to keyboard mode.</p>
	<p>5. Press "ENTER" to select a file.</p> <p>*Note: Press .or .to select the previous or next form in the list.</p>
	<p>6. The input form for the serial number is now shown on the display.</p> <p>7. Specify a start value (example: 00001).</p>
	<p>8. The input form for the first variable is now shown on the display.</p>

	9. Specify a product name (example: Apple).
	10. The input form for the second variable is now shown on the display.
	11. Specify a random value (example: 199).
	12. The input form for the print quantity is now shown on the display.
	13. Specify a quantity (example: 3)
 <p>The image shows three identical labels stacked vertically. Each label contains the text 'Apple' at the top, '199' in the middle, and a serial number at the bottom. The serial numbers are 00001, 00002, and 00003 respectively.</p>	14. The printer will print three labels with the values for the two variables and the serial number specified.

3.8 Error Alerts

In the event of a problem that prevents normal functioning of the printer, you will see an error message on the display and hear some beep signals. The LED indicators above the display will also light up. Please refer to below table for the error alerts.












Fast flashing





Slow Flashing



Light on

Error message displayed	LED above the display			Beeps	Description	Solution
	RIBBON	MEDIA				
Print head is open			Both LEDs light up	4x2 beeps	The print mechanism is not closed.	Please make sure that the print mechanism is closed correctly.
Entering cooling process			Both flashing		The print head is too hot.	Once the print head has cooled down, the printer switches to standby mode.
Out of ribbon				3x2 beeps	No ribbon is loaded.	Please make sure that the printer is set to thermal direct mode.
					The ribbon is finished or the ribbon roll is not moving.	Replace the ribbon roll.
Out of media				1x2 beeps	Unable to detect the paper.	Please make sure that the gap sensor is positioned correctly. If that does not fix the problem, run the auto-detection function again.
					The labels are finished.	Replace the label roll.
					Paper jam.	Possible reason: paper feed problem.
CF card not formatted			Both flashing	2x2 beeps	The CF card is not formatted.	Please follow the instructions in Section 4-4 to format the CF card.
Memory full				2x2 beeps	The memory is full.	Delete data you no longer need from the memory or use a CF card.

File name not found				2x2 beeps	Unable to find file.	Use the "~X4" command to print all file names and check whether the file exists in the memory.
File name already exists				2x2 beeps	The file name already exists.	Change the name of the file and try storing it again.

4. Accessories

4-1 Installing the internal rewinder

1	Motor
2	Rewinder
3	Rewinder connector bracket
4	Retention clip
5	Rewinder guide
6	Cable tie
7	Belt
8	Screws (set of 10)

Note

For EZ-6200 Plus, the printing speed will be limited to 4 IPS when the rewinder or label dispenser is enabled.

1. Place the printer on a flat surface and open the printer cover.

2. Remove the screws securing the left-hand part of the housing and the printer cover and remove these two parts of the housing.

Note

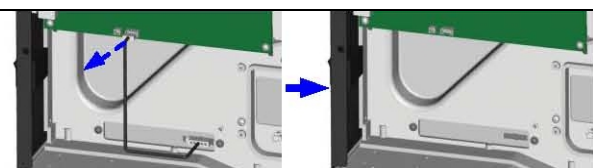
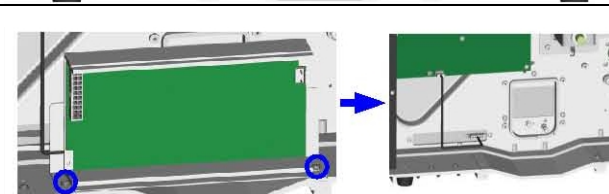
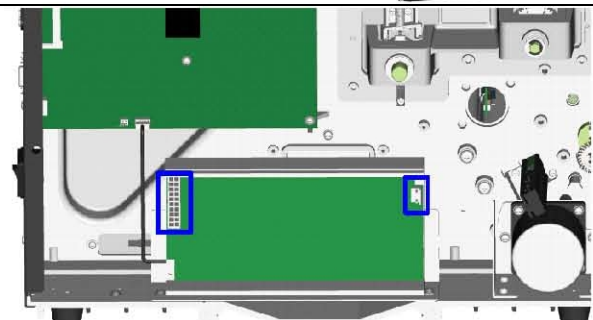
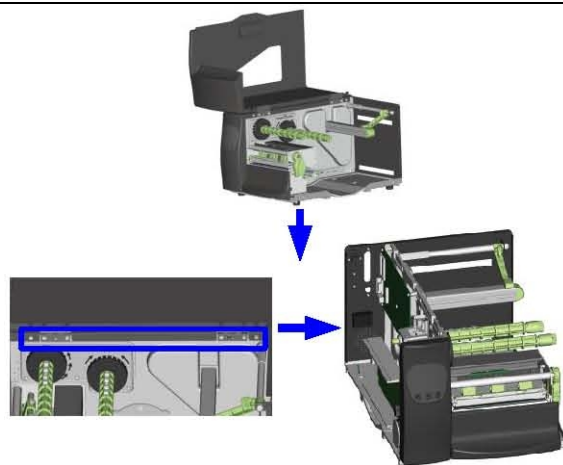
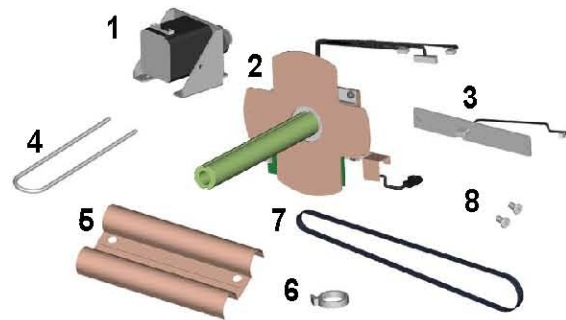
Remember to switch off the printer before starting the installation.

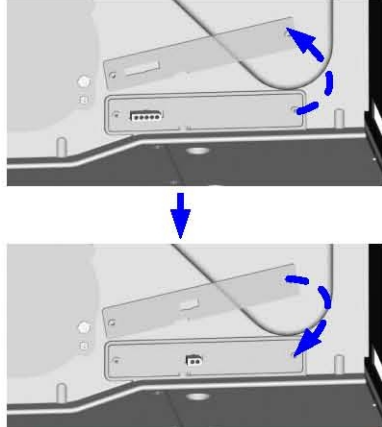
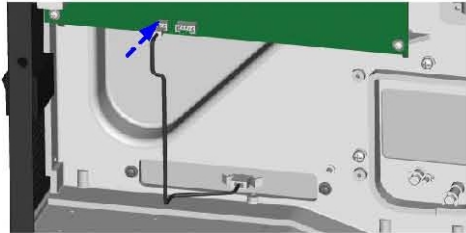
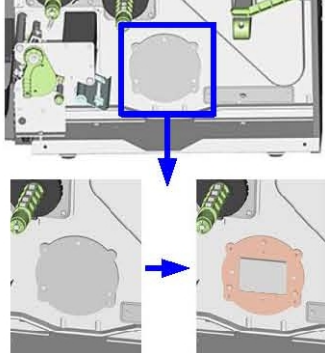
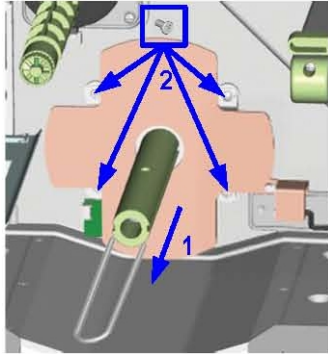
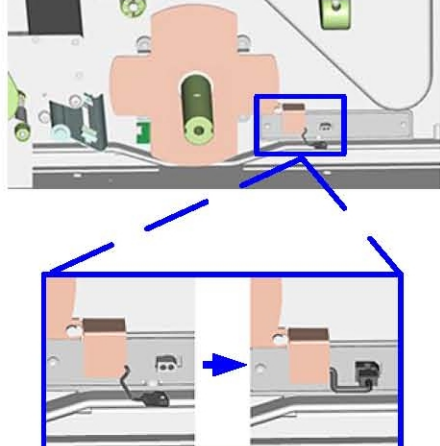
3. Remove the connectors from the power supply unit in the two places marked.

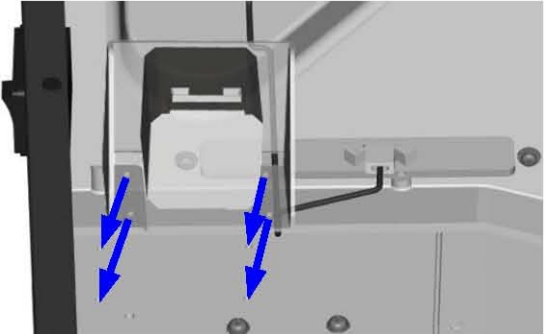
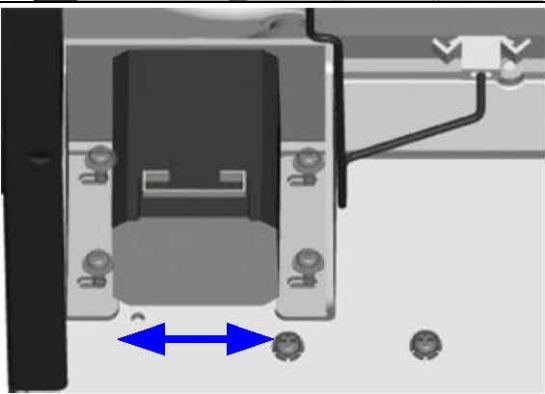
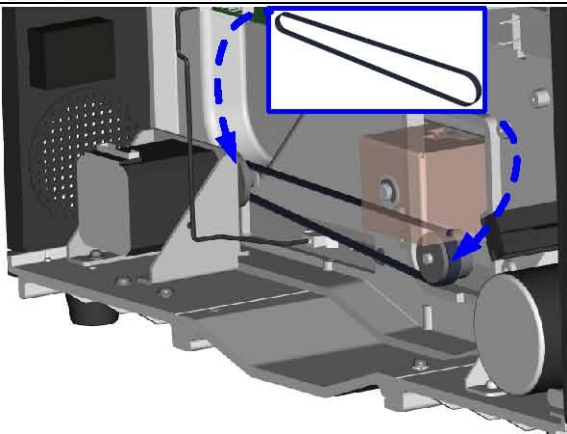
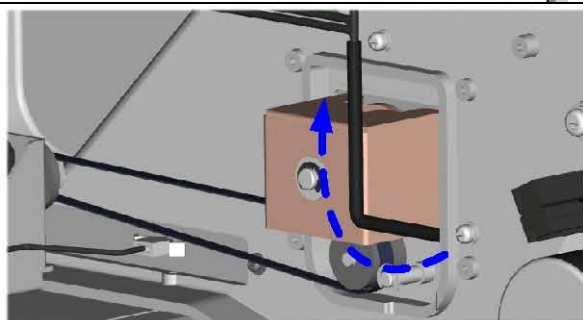
4. Remove the two screws that secure the power supply unit on the bottom of the printer housing.

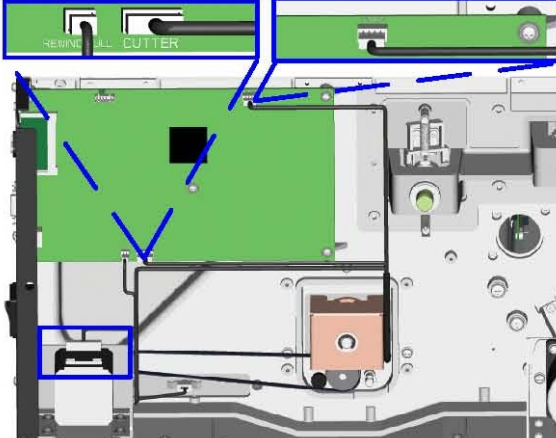
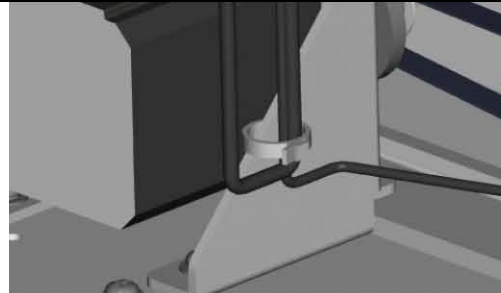
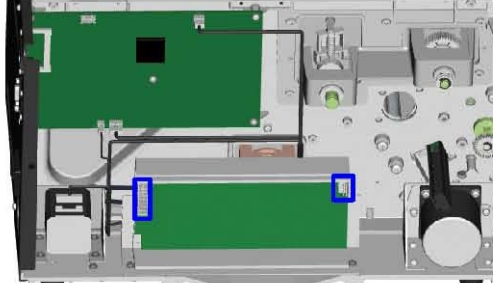

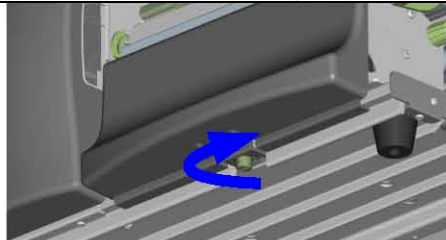
5. Remove the power supply unit.

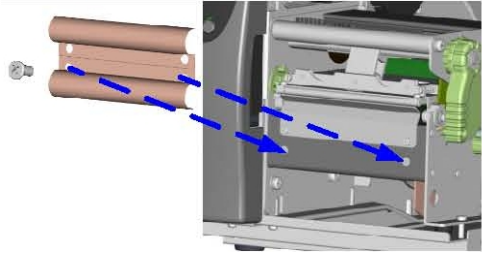
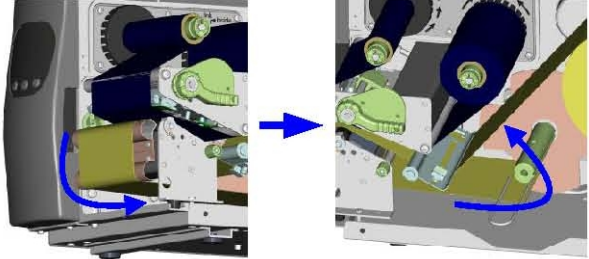
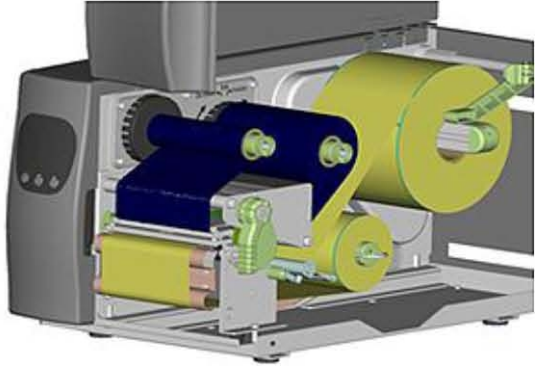
6. Remove the cable connecting the motherboard and the connector bracket.



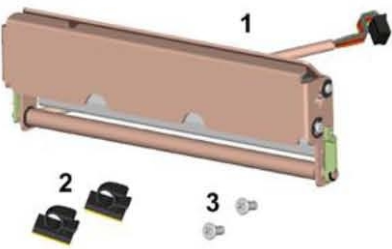
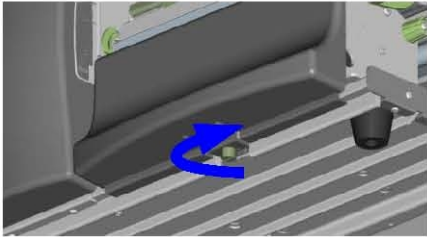
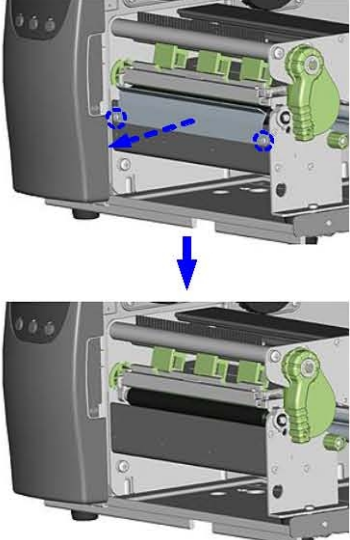
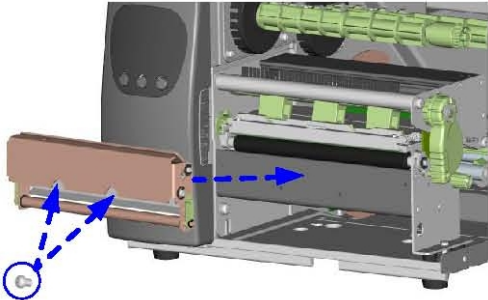
<p>7. Remove the two screws securing the connector bracket from the inside of the printer housing.</p> <p>8. Now attach the rewinder connector bracket supplied.</p>	
<p>9. Connect the rewinder connector bracket to the motherboard as shown in the illustration.</p>	
<p>10. Remove the cover for the rewinder module.</p>	
<p>11. Remove the retention clip from the rewinder.</p> <p>12. Secure the rewinder on the printer housing using the four screws supplied.</p> <p>Note. Please make sure that all rewinder cable connectors are arranged on the side of the motherboard before you tighten the screws that secure the rewinder.</p>	
<p>13. Connect the "Rewinder full" switch to the jack on the rewinder connector bracket.</p>	

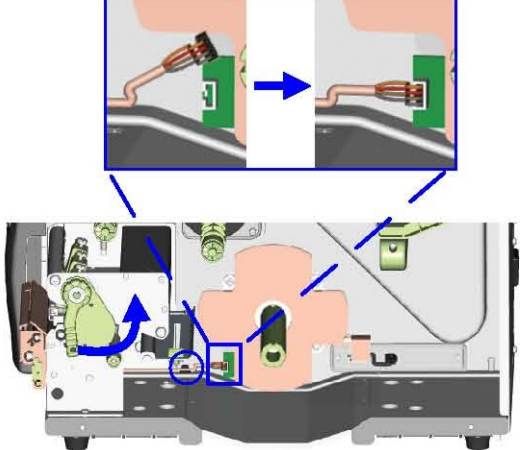
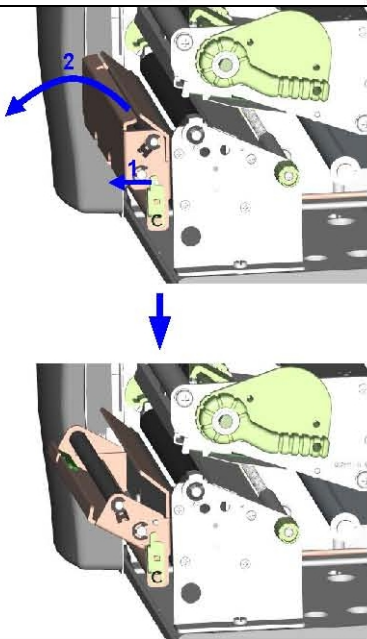
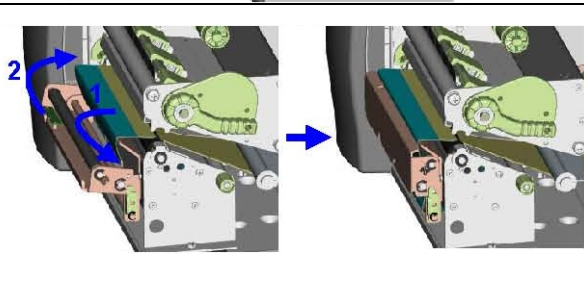
<p>14. Install the motor in the back section of the printer housing and align it with the 4 screw holes.</p>	
<p>15. Do not tighten the screws fully, to leave room for installing the belt.</p>	
<p>16. If required, adjust the position of the motor during installation of the belt.</p> <p>17. Now tighten the screws securing the motor.</p>	
<p>18. Gently pull the rewinder connection cables so they are fully inside the printer housing.</p>	

<p>19. Connect the cable with the 5-pin connector to the jack marked "CUTTER" on the motherboard.</p> <p>20. Connect the cable with the 4-pin connector to the jack marked "STRIP" on the motherboard. Connect the remaining connector to the motor.</p>	
<p>21. Attach the motor cable and the "Rewinder full" cable to the motor bracket using the cable tie.</p> <p>Note You should position the "Rewinder full" cable underneath the belt to avoid possible faults.</p>	
<p>22. Now replace the power supply unit and connect it to the motherboard.</p>	
<p>23. Replace the left-hand part of the printer housing and secure it with screws</p>	
<p>24. Remove the lower cover plate from the front of the printer by unscrewing the screw marked in the illustration.</p> <p>25. Remove the lower cover plate.</p>	

<p>26. Mount the rewinder guide on the print mechanism and secure it with screws.</p>	
<p>27. Now load the label stock.</p> <p>28. Pass the label stock through the rewinder from the bottom up. Secure the label stock on the rewinder using the retention clip.</p> <p>Note Make sure you choose the correct rewind direction.</p>	
<p>29. Replace the printer cover to complete the installation.</p> <p>Note 1 Before you start using the rewinder, please make sure that you have carried out all steps as shown in the illustrations. Then send the command "<code>^XSET,REWINDER,1</code>" to the printer to enable the rewind function.</p> <p>Note 2 To use the label dispenser, you have to remove the rewinder guide again.</p>	

4-2 Installing the label dispenser (6416 with rewinder)

<ol style="list-style-type: none"> 1 Dispenser module 2 Cable clips (set of 2) 3 Screws (set of 2) 		
<p>Note</p> <p>The printing speed will be limited to 4 IPS when the rewinder or label dispenser is enabled.</p>		
<ol style="list-style-type: none"> 1. Unscrew the screw marked in the illustration on the front of the printer, which secures the lower cover plate. 2. Remove the lower cover plate. <p>Note Switch off the printer before starting the installation.</p>		
<ol style="list-style-type: none"> 3. Remove the two screws securing the tear-off plate, then remove the tear-off plate. 		
<ol style="list-style-type: none"> 4. Secure the dispenser module on the printer using two screws. 		

<p>5. Connect the dispenser cable connector to the rewinder jack.</p> <p>6. Route the connection cable along the bottom of the printer housing using the cable clips.</p> <p>7. Pull out the print head release lever and turn it anticlockwise to a top right position.</p>	
<p>8. Using the lever shown in the illustration (1), fold out the dispenser module in the direction indicated by the arrow (2).</p>	
<p>9. Strip a few labels off the label liner (approx. 400 mm) and pass the label liner through the dispenser module.</p> <p>10. Close the dispenser module again.</p>	

11. Wind the label liner around the rewinder and secure it using the retention clip.

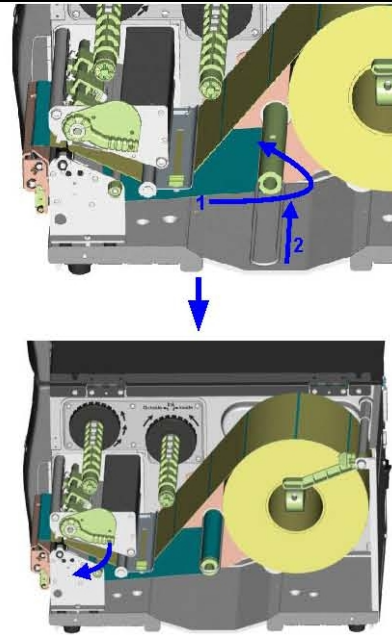
12. Return the print head release lever to its original position.

Note.

The dispenser can only be used with labels of a minimum height of 20 mm.

Suggestion

When using the label dispenser, you should set the stop position to 25 mm.



13. Close the printer cover to complete installation of the dispenser.

Note

Before you start using the rewinder, send the command "`^XSET,REWINDER,1`" to the printer to enable the rewind function.



4-3 Installing the cutter

1	Cutter cover
2	Cutter module
3	Cable clips
4	Screws (set of 4)

Note 1

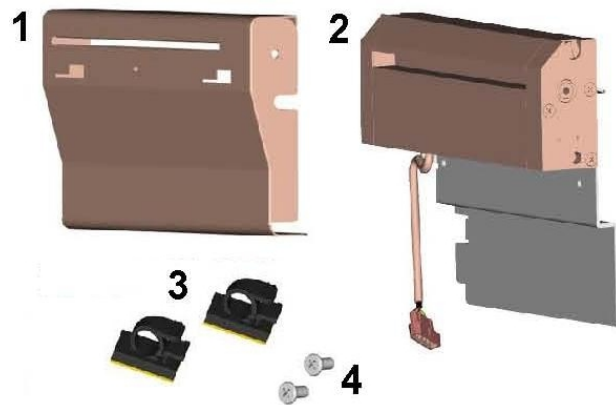
Remember to switch off the printer before installing the cutter.

Note 2

Do not use to cut adhesive labels!

Glue residue will be left on the cutter blade and impair its functioning.

The cutter has a blade life of 500,000 cuts when using paper weighing 160 g/m² and 250,000 cuts when using paper weighing 200 g/m².

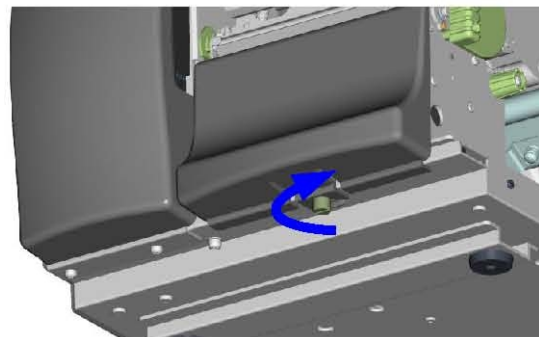


1. Unscrew the screw marked in the illustration on the front of the printer, which secures the lower cover plate.

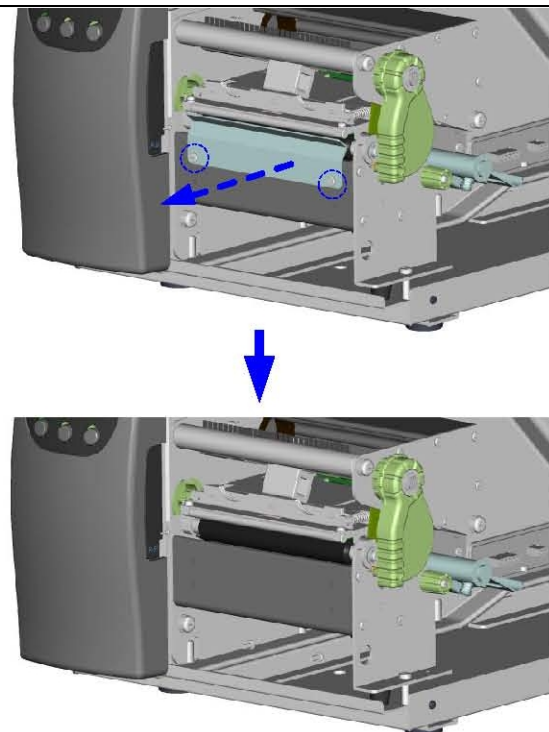
2. Remove the lower cover plate.

Note

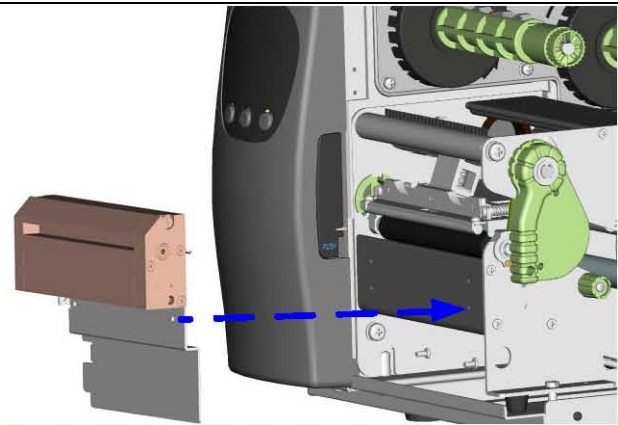
Switch off the printer before starting the installation.



3. Remove the two screws securing the tear-off plate, then remove the tear-off plate.

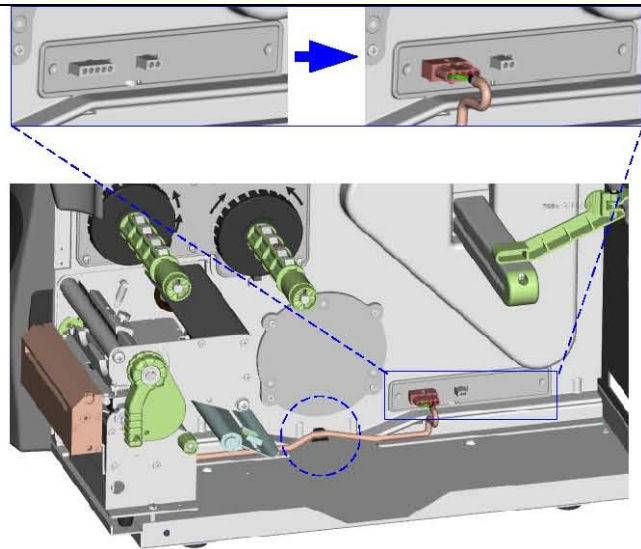


4. Secure the cutter module on the printer housing using the screws.



5. Connect the cutter cable connector to the cutter jack on the printer.

6. Route the connection cable along the bottom of the printer housing using the cable clips.



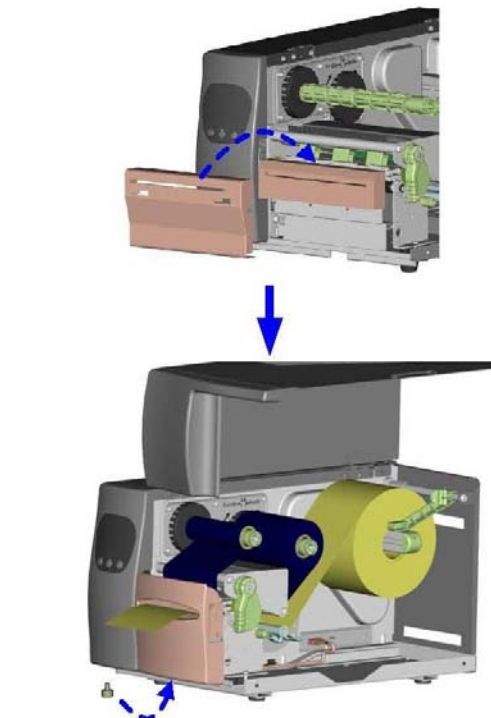
7. Place the cutter cover over the cutter module and secure it using the screw you removed from the lower cover plate.

8. Now load the label roll into the printer and close the printer cover.

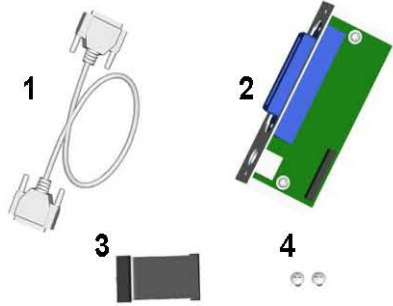
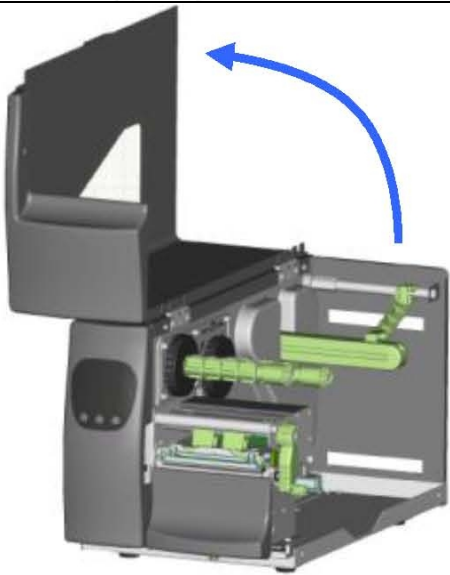
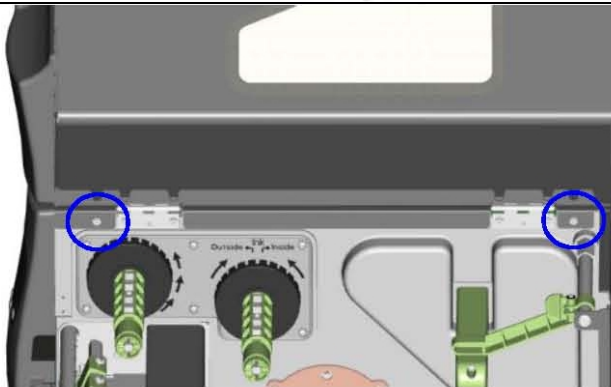
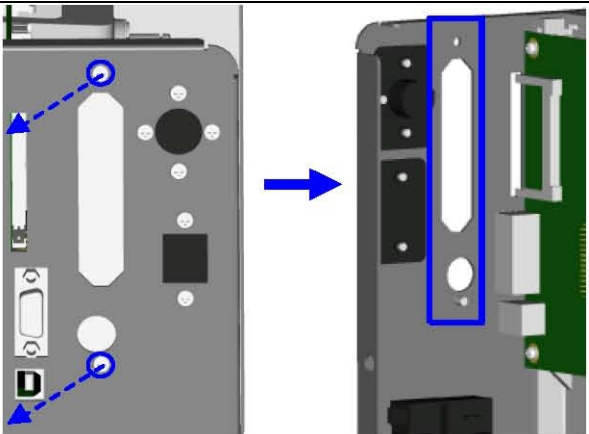
Note 1
Check whether the cutter function is enabled in the printer.

Note 2
Labels or paper should be at least 30 mm high.

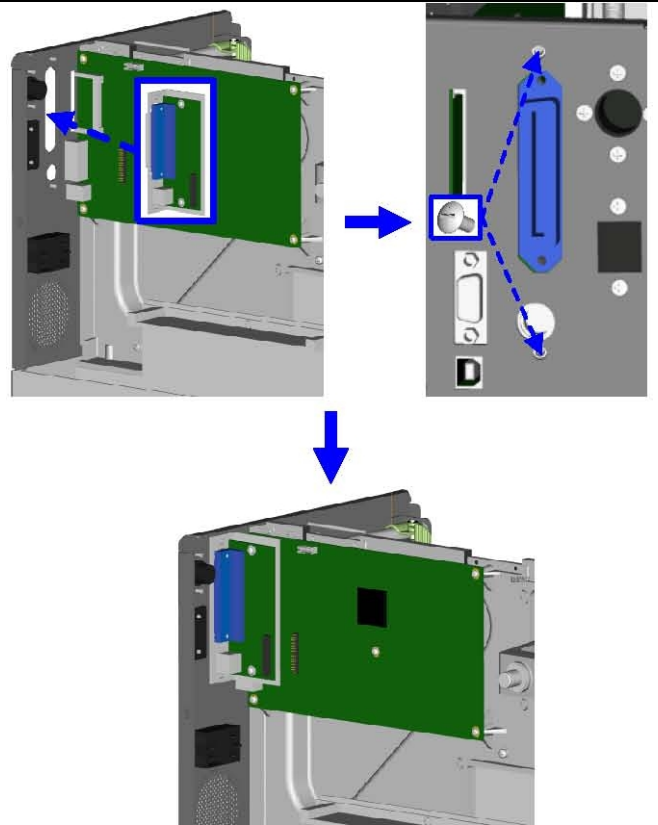
Suggestion
After installation of the cutter module, set the stop position to 30 mm .



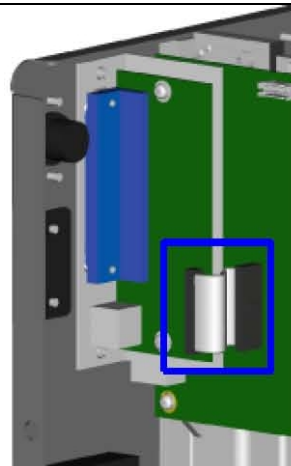
4-4 Installing the parallel / PS/2 adapter

<table border="1"> <tr> <td>1</td><td>Parallel cable</td></tr> <tr> <td>2</td><td>Parallel / PS/2 adapter</td></tr> <tr> <td>3</td><td>Connection cable</td></tr> <tr> <td>4</td><td>Screws (set of 2)</td></tr> </table>	1	Parallel cable	2	Parallel / PS/2 adapter	3	Connection cable	4	Screws (set of 2)	
1	Parallel cable								
2	Parallel / PS/2 adapter								
3	Connection cable								
4	Screws (set of 2)								
<p>1. Check whether the printer is switched off. Place the printer on a flat surface and open the printer cover.</p>									
<p>2. Unscrew the two screws marked in the illustration on the right and remove the left-hand side of the printer housing.</p>									
<p>3. Unscrew the screws on the parallel port cover and remove the cover.</p>									

4. Install the parallel/PS/2 adapter in its place and secure it on the housing with screws.



5. Connect the 30-pin connection cable to the motherboard.

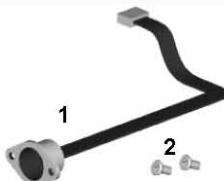
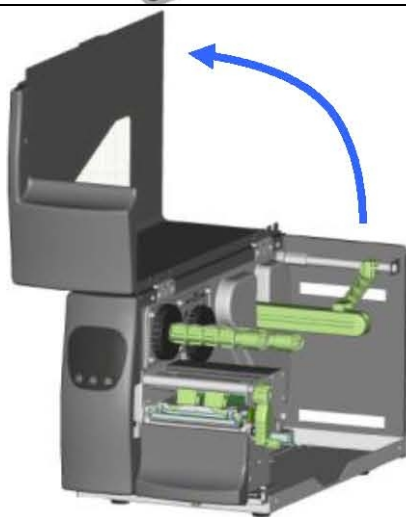
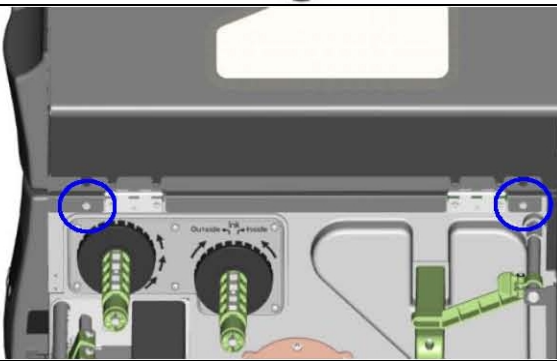
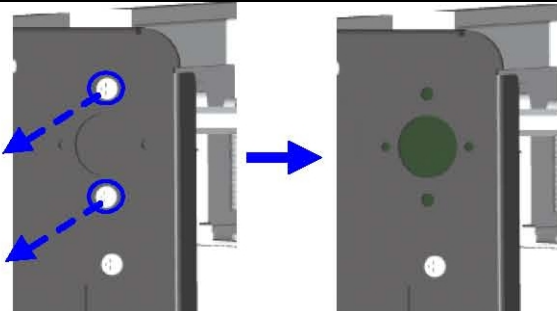


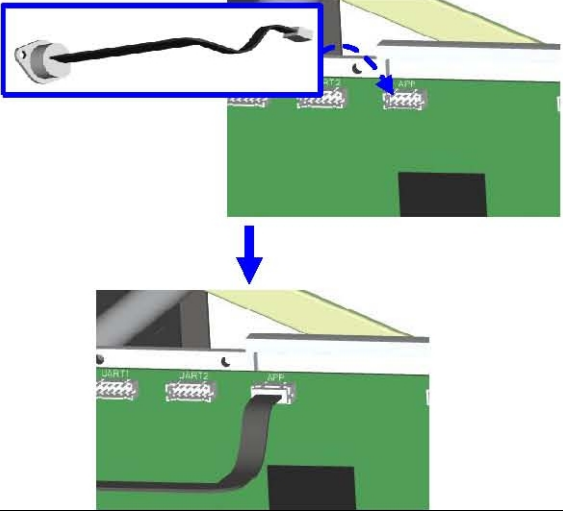
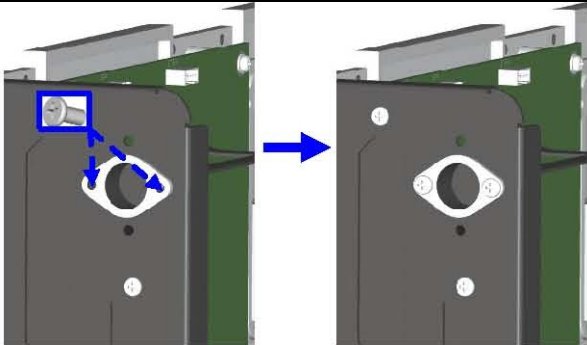
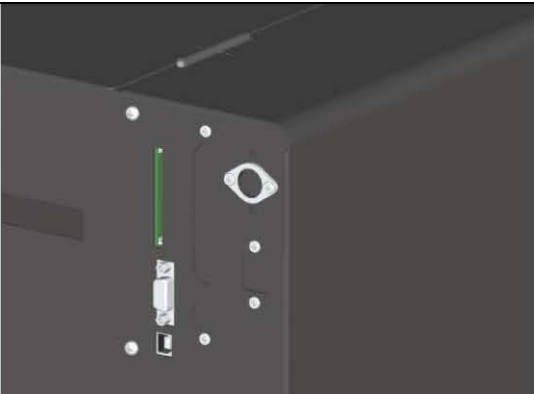
6. Replace the left-hand part of the printer housing and secure it with the screws you removed earlier.

7. Installation of the parallel/PS/2 adapter is now complete.

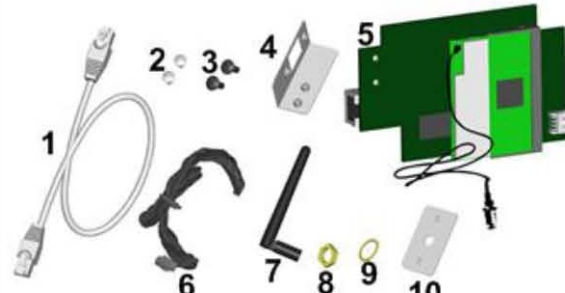
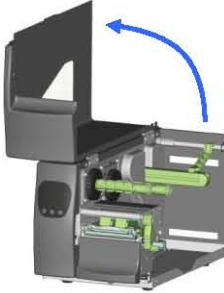
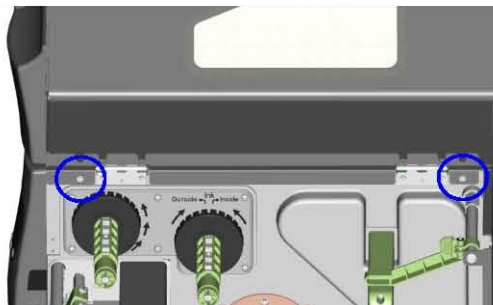
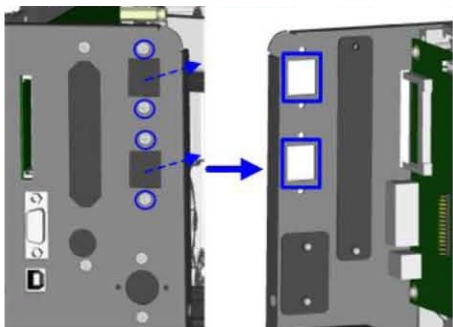
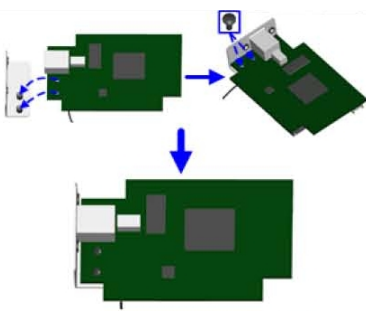


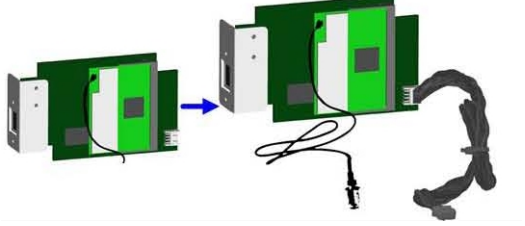
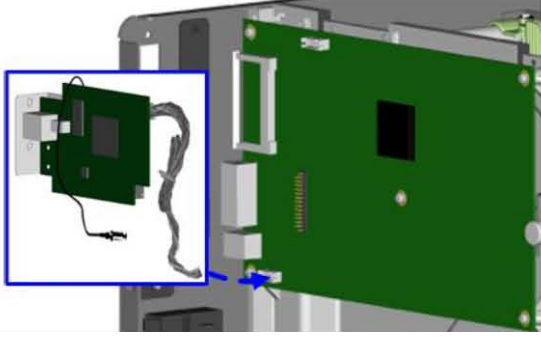
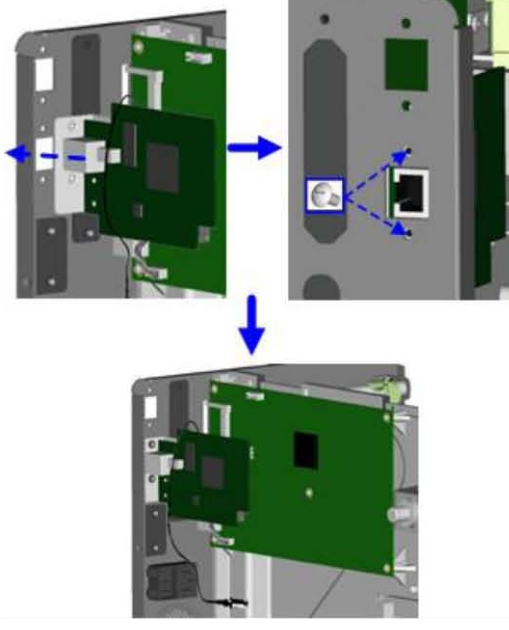
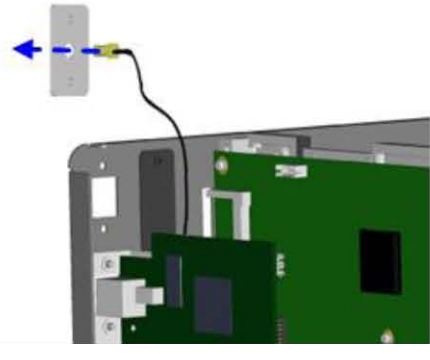
4-5 Installing the applicator interface

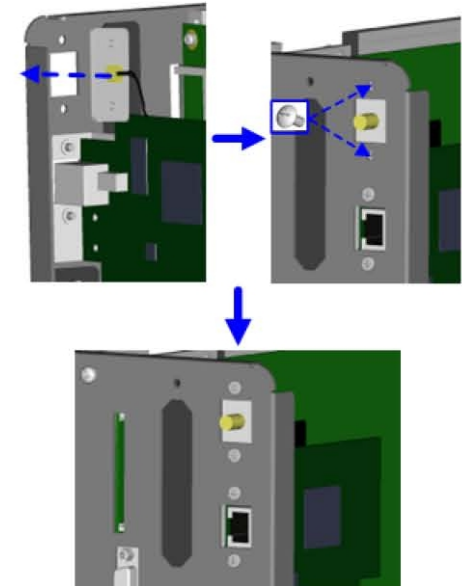
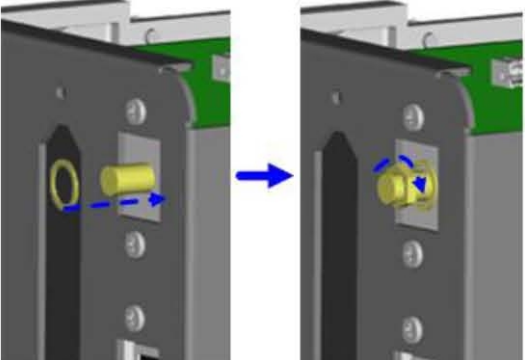
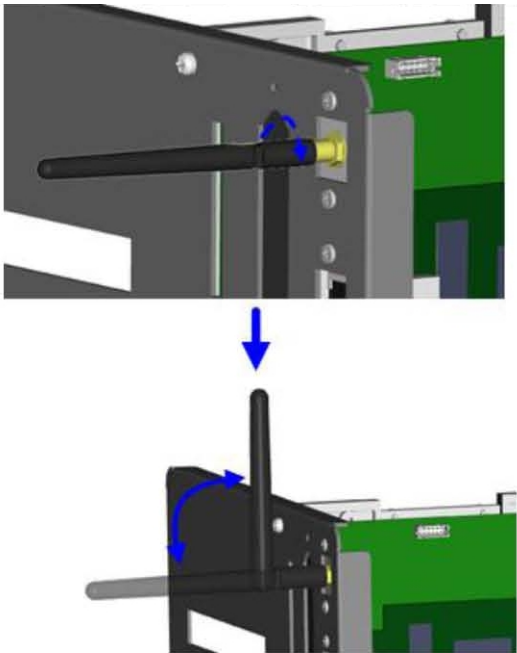
1	Applicator interface	
2	Screws (set of 2)	
<p>1. Place the printer on a flat surface and open the printer cover.</p> <p>Note Remember to switch off the printer before starting the installation.</p>		
<p>2. Unscrew the two screws marked in the illustration on the right and remove the left-hand side of the printer housing.</p>		
<p>3. Unscrew the screws on the applicator interface cover and remove the cover.</p>		

<p>4. Pass the applicator cable through the opening into the housing.</p> <p>5. Connect the applicator cable to the jack marked "APP" on the motherboard.</p>	 The diagram consists of two parts. The top part shows a black applicator cable with a silver connector being inserted into a hole in a grey housing. A blue box highlights the connector. The bottom part shows the same cable connected to a green motherboard. A blue arrow points from the top part to the bottom part. The connector is plugged into a port labeled 'APP' on the motherboard. Other labels like 'JAKT1' and 'JAKT2' are also visible.
<p>6. Secure the applicator interface using two screws.</p>	 The diagram shows two views of a grey housing. The left view shows a circular opening with a blue box highlighting a screw being inserted. A blue arrow points to the right view, which shows the same housing with two screws already inserted into the circular opening, securing it.
<p>7. Replace the left-hand part of the printer housing and secure it with the screws you removed earlier to complete the installation.</p>	 The diagram shows a close-up of the left side of a dark grey printer housing. A green ribbon cable is visible, connected to a port. Several screws are shown being inserted into the housing to secure it.

4-6 Installing the WLAN module

<table border="1"> <tr><td>1</td><td>Ethernet Cable 1.8M</td></tr> <tr><td>2</td><td>Secure Screw*2</td></tr> <tr><td>3</td><td>Bracket Screw*2</td></tr> <tr><td>4</td><td>Module Bracket</td></tr> <tr><td>5</td><td>WLAN module</td></tr> <tr><td>6</td><td>Module Connection Wire</td></tr> <tr><td>7</td><td>WLAN Antenna</td></tr> <tr><td>8</td><td>Nut (for Antenna)</td></tr> <tr><td>9</td><td>Washer (for Antenna)</td></tr> <tr><td>10</td><td>Antenna Bracket</td></tr> </table>	1	Ethernet Cable 1.8M	2	Secure Screw*2	3	Bracket Screw*2	4	Module Bracket	5	WLAN module	6	Module Connection Wire	7	WLAN Antenna	8	Nut (for Antenna)	9	Washer (for Antenna)	10	Antenna Bracket	
1	Ethernet Cable 1.8M																				
2	Secure Screw*2																				
3	Bracket Screw*2																				
4	Module Bracket																				
5	WLAN module																				
6	Module Connection Wire																				
7	WLAN Antenna																				
8	Nut (for Antenna)																				
9	Washer (for Antenna)																				
10	Antenna Bracket																				
<p>1. Make sure the power is off and the power cable is unplugged. Place the printer onto a smooth surface and open the top cover.</p>																					
<p>2. Remove the Left Top Cover from the printer.</p>																					
<p>3. Remove the covers of Ethernet port and Antenna port from the back plate of the printer.</p>																					
<p>4. Secure the WLAN module onto the module bracket.</p>																					

<p>5. Plug the connector into the socket on WLAN module.</p>	 A diagram showing a green WLAN module with a white connector on its side. A black cable with a white connector is being plugged into the socket. A blue arrow points from the cable to the socket.
<p>6. Connect the other end of Module Connection Wire to the main board socket.</p>	 A diagram showing the main board with a green WLAN module mounted on it. A blue box highlights the connection point on the main board. A blue arrow points from the cable to the socket.
<p>7. Mount the WLAN module and secure it onto the back plate.</p>	 A diagram showing the WLAN module being mounted onto the back plate. A blue arrow points from the module to the back plate. Another blue arrow points from the back plate to the module. A third blue arrow points from the module to the back plate. A fourth blue arrow points from the back plate to the module.
<p>8. Thread Antenna Connection Wire through the hole on the Antenna Bracket.</p>	 A diagram showing the Antenna Connection Wire being threaded through the hole on the Antenna Bracket. A blue arrow points from the wire to the hole.

<p>9. Mount the Antenna Connection Wire and Antenna Bracket on the back plate and secure it with screws.</p>	
<p>10. Put the Washer first and then tighten the Nut on the Antenna Connection Wire.</p>	
<p>11. Turn the Antenna according to the direction as arrow showed to mount it on the Antenna Connection Wire. The angle of Antenna can be adjusted if needed.</p>	

12. Reassemble the Left Top Cover to complete the installation.



Note 1:

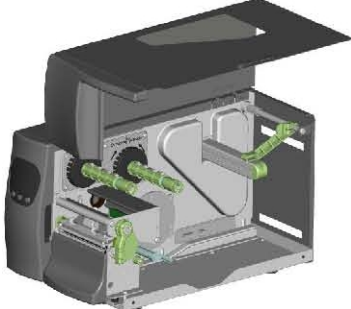
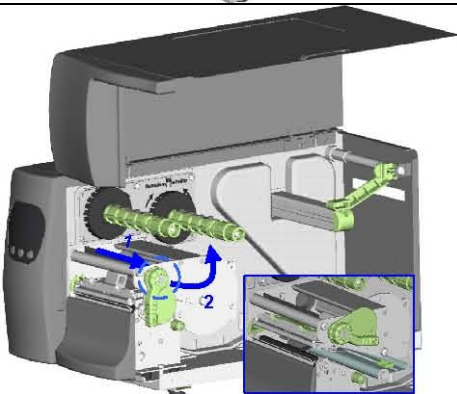
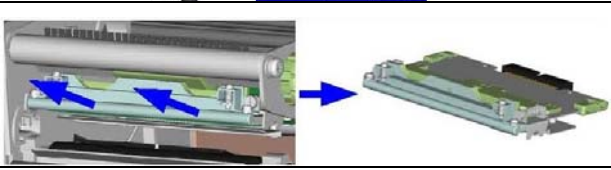
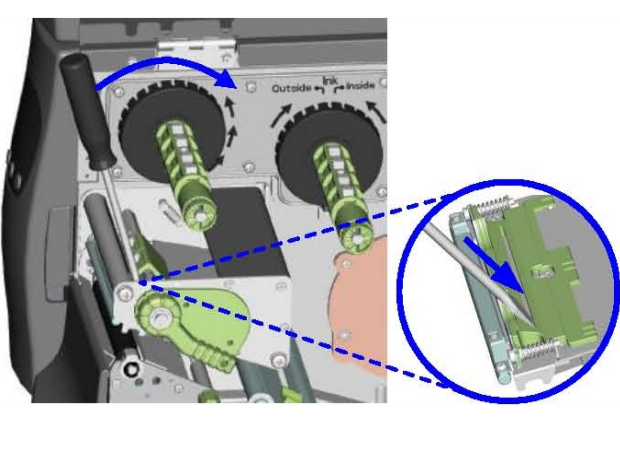
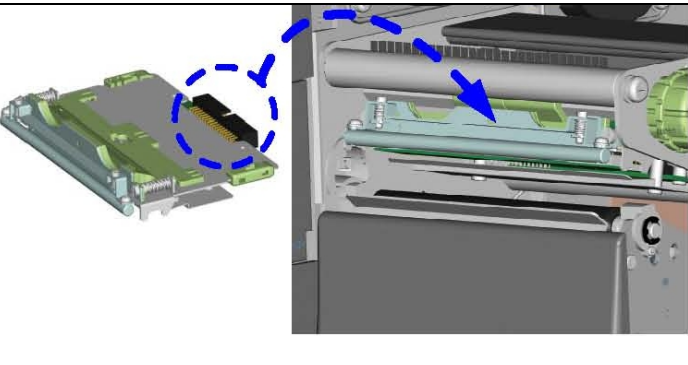
After the WLAN module installation is completed, please send the "^lan" printer command to printer for activating the Ethernet connection function. Please mind that USB port will be deactivated once the Ethernet connection function is activated.

Note 2:

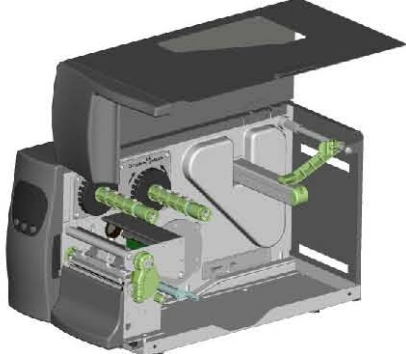
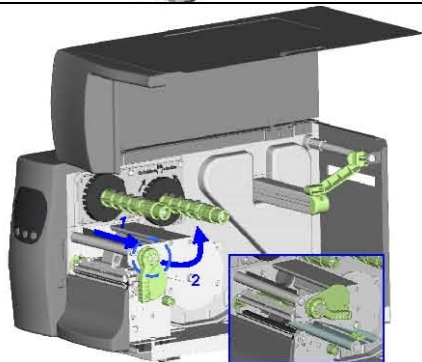
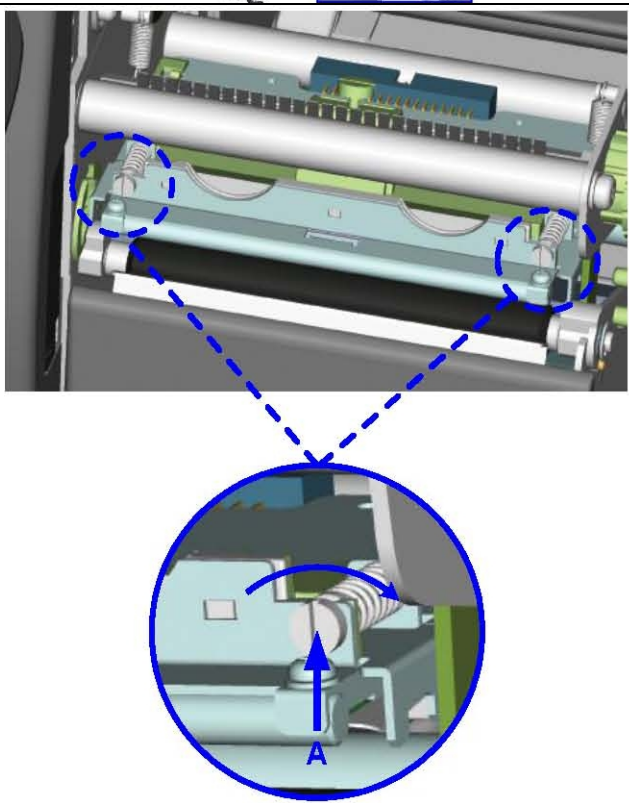
The first time setting operation must be performed with Ethernet (wired) connection before you can access wireless network.

5. Maintenance and adjustment

5-1 Installing / removing the print head module

<p>1. Open the printer cover.</p> <p>Note Remember to switch off the printer before removing the print head module.</p>	
<p>2. Pull out the print head release lever as shown in the illustration (1) and turn it anticlockwise to a top right position (2).</p>	
<p>3. Hold the print head module at the front and gently pull it out.</p>	
<p>4. If you cannot remove the module by gently pulling it, use a screwdriver as shown in the illustration.</p>	
<p>5. Hold the module at the front and slide it into the printer along the guide rails. Firmly press the module in so the contacts are fully connected.</p>	

5-2 Adjusting the print line

<p>1. Open the printer cover.</p>	
<p>2. Pull out the print head release lever as shown in the illustration (1) and turn it anticlockwise to a top right position (2).</p>	
<p>3. TPH print line adjustment:</p> <ul style="list-style-type: none">• When printing is slow or when printing on thick label stock, the print line must be moved to the front (in paper feed direction) for a better print result. Using a flat-head screwdriver, turn the screws clockwise to move the TPH forward.• The two screws on the left and right must be adjusted to the same position to ensure the print line and feed roller are in parallel.• One turn of the screw moves the print head by 0.5 mm. To keep track of the change in quality, you should adjust the screws by $\frac{1}{4}$ turn at a time.• If no improvement is visible, gently turn the screws clockwise as far as possible, then restart the adjustment process from there.	

5-3 Adjusting the ribbon tension

You can adjust the ribbon tension by turning the ribbon shaft knob (green wheel at the base of the ribbon supply hub – see illustration) clockwise or anticlockwise.

There are 4 possible settings, which are marked on the knob of the ribbon rewind hub and the ribbon supply hub.

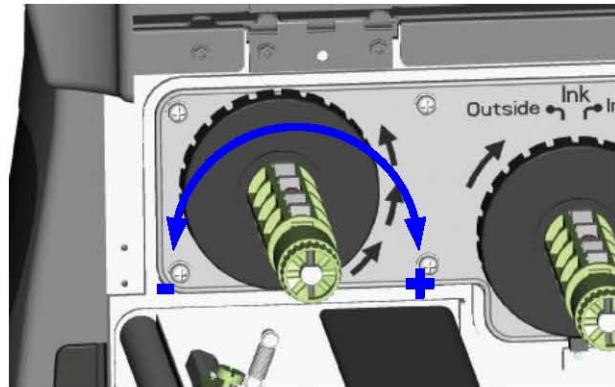
When set to 1, the tension is highest, while the tension is lowest at 4.

If the tension is so low that the ribbon does not move forward, you need to reduce the tension of the ribbon supply hub or increase the tension of the ribbon rewind hub.

To set the tension, press in the knob and turn it clockwise or anticlockwise as required.

Increasing the tension of the ribbon rewind hub will remove any wrinkling of the ribbon during printing, which results from the use of different ribbon materials. (For details about the wrinkling/creasing of ribbons, see Section 5-6.)

If you are using a very narrow ribbon, the printer may not move the label stock forward (particularly with a ribbon that is less than 2" wide). In that case, reduce the tension by turning the knob of the ribbon supply hub anticlockwise. If the tension is too high, the ribbon core may be crushed and thus impossible to remove. In that case, reduce the tension of the ribbon supply hub and the ribbon rewind hub by turning the knobs anticlockwise.



5-4 Cleaning the thermal print head

Dirt on the print head or ribbon may result in inadequate print quality (no printed image on part of the label).

The printer cover should therefore be kept closed whenever possible.

Keeping dirt and dust away from the paper or labels ensures a good print quality and a longer lifespan of the print head. Here is how you clean the print head:

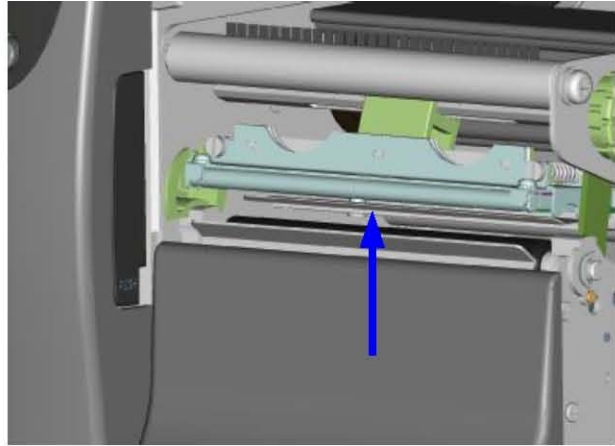
1. Switch off the printer.
2. Open the printer cover.
3. Remove the ribbon.
4. Release the print head by turning the print head release lever.
5. To remove any label residue or other dirt from the print head (see blue arrow), please use a soft lint-free cloth dipped in alcohol.

Note 1

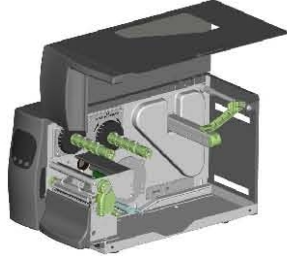
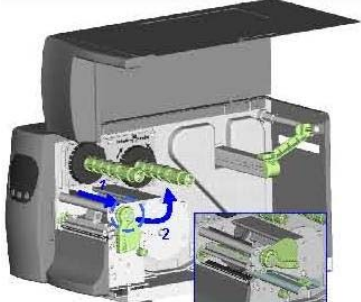
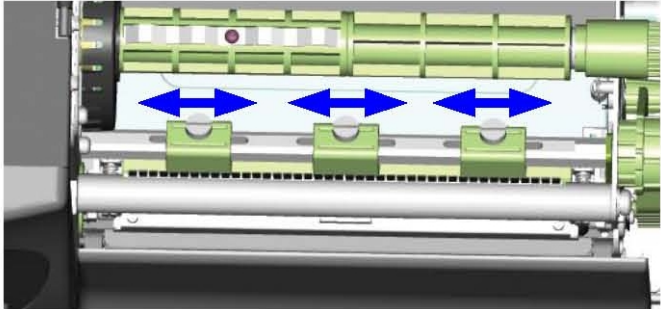
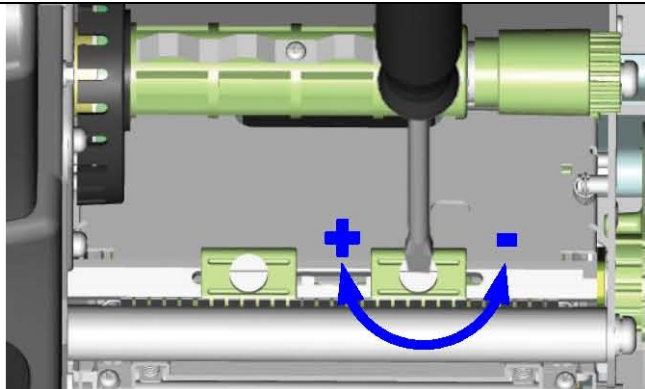
The print head should be cleaned once a week.

Note 2

Please make sure that there are no metal fragments or other hard particles on the soft cloth used to clean the print head.



5-5 Adjusting the balance and print head tension

1. Open the printer side cover.	
2. Pull out the print head release lever as shown in the illustration (1) and turn it anticlockwise to a top right position (2).	
<p>When using a variety of label stock and ribbons, the ink may not be evenly distributed. If there is no printed image on one side of the paper, or the ribbon wrinkles, the print head pressure must be readjusted using the TPH spring boxes.</p> <p>3. Move the TPH spring boxes as shown in the illustration to change the print head pressure. The wider the medium you are using, the further out the TPH spring boxes must be moved.</p> <p>If there is no quality improvement, you need to change the pressure on the TPH spring boxes.</p>	
4. Turning the screw clockwise increases the pressure, while turning it anticlockwise reduces the pressure.	

5-6 Ribbon shield settings

1. The use of different ribbon materials may cause wrinkling of the ribbon, which in turn affects the print result as illustrated by the examples in (a) and (b). To change the print quality, you can adjust the ribbon shield screws.

If your print result looks like the example in (a), you need to turn ribbon shield screw A clockwise.

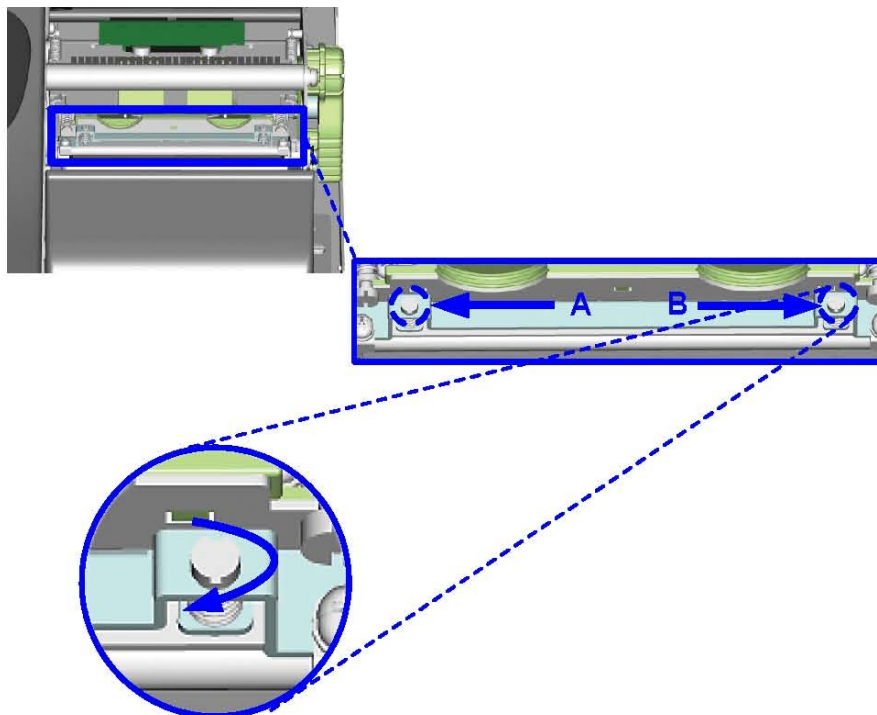
If your print result looks like the example in (b), you need to turn ribbon shield screw B clockwise.



2. To keep track of the change in print quality, you should adjust the screws by half a turn at a time. Print a test page. If there is no improvement in the print result, turn the screw by another half turn. Do not turn the adjustment screw more than two full turns.

Note

If you adjust the screw by more than two full turns, the paper feed may no longer function correctly. In that case, unscrew the ribbon shield screws fully and restart the adjustment process.

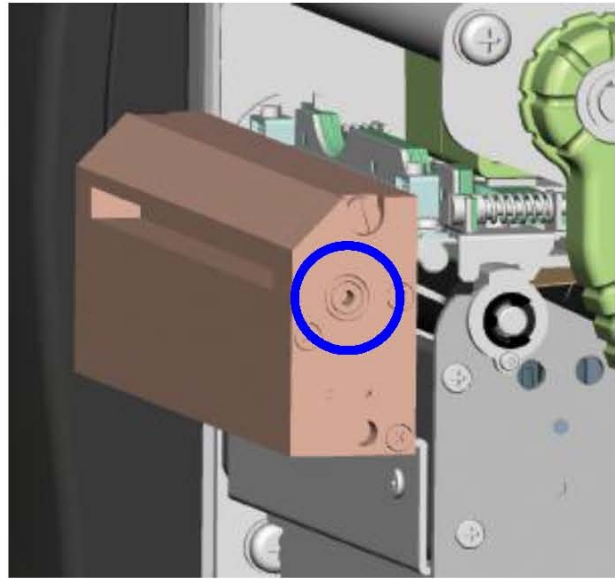


5-7 Cutter settings

1. Socket head screws for adjusting the cutter are located on both sides of the cutter.
2. In the event of a paper jam, the cutter will no longer function correctly. Switch off the printer and use a hex key (#M3) to turn the socket head screw.
3. Turn the key anticlockwise to remove the jammed paper.
4. When you have removed the jammed paper, you can switch the printer back on. The cutter will automatically reset.

Note

The label medium should be at least 30 mm long to ensure correct functioning of the cutter.



5-8 CF Card Instruction

The 6416 thermal printer has a built-in CF Card slot on the back of the printer. If the built-in memory is insufficient for storing label formats, graphics or fonts, users can use CF Card as external memory to provide more memory space.

When using the CF card, please follow the instruction as below:

1. Please power off the print before installing or removing CF Card from the card slot.
2. The CF Card cannot be used for printer's external memory until it is formatted in FAT16. When the printer has detected that the CF card is not formatted in FAT16, the LCD will show the message of "CF card not formatted, press FEED to format".
3. If user wants to format the CF Card, please follow the instruction to press the "FEED" key, and then the printer will format the CF Card in FAT16.
4. After the format is complete, a file folder named "CF" would be created automatically. This folder is for storing all the data from the printer, please don't do any change on it.
5. The specification of CF Card that is supported by the printer is as follow:
 - . Compact Flash Type I
 - . Compact Flash (CF) v1.4 specification
 - . Capacity: 128MB ~ 512MB
 - . File system: FAT16

5-9 Troubleshooting

Problem	Solution
The printer is switched on but the display does not light up.	<ul style="list-style-type: none"> ◆ Check the power supply.
One or both LEDs lights up red and printing is interrupted.	<ul style="list-style-type: none"> ◆ Check the software settings (driver settings) or command codes. ◆ Look for the error alert in the table in Section 3.8. Error Alerts. ◆ Check whether the cutter is functioning normally and whether it is cutting at all. (Only if a cutter is installed.)
The label stock passes through the printer but no image is printed.	<ul style="list-style-type: none"> ◆ Please make sure that the label stock is loaded the right way up and that it is suitable material. ◆ Please make sure that the ribbon is loaded correctly. ◆ Choose the correct printer driver. ◆ Choose the correct label stock and a suitable printing mode.
The label stock jams during printing.	<ul style="list-style-type: none"> ◆ Clear the paper jam. Remove any label material left on the thermal print head and clean the print head using a soft lint-free cloth dipped in alcohol.
There is no printed image on some parts of the label or the image is blurred.	<ul style="list-style-type: none"> ◆ Check the thermal print head for dust or other dirt (label material or ribbon residue). ◆ Check for errors in the application software ◆ Check the ribbon for wrinkles ◆ Check the power supply. ◆ Run a self test (Section 3-4.) and check the test print pattern to see whether the print head prints over the entire width of the media. ◆ Check the quality of the print media.
The printed image is positioned incorrectly or a label is missed out during printing.	<ul style="list-style-type: none"> ◆ Run the auto-detection function. (Section 3-6.). ◆ Check the label height setting. ◆ Check whether there is paper or dust covering the sensor ◆ Check the paper guide settings.
The cutter does not cut off the labels in a straight line.	<ul style="list-style-type: none"> ◆ Check whether the label stock is positioned straight.
The cutter does not cut off the labels completely.	<ul style="list-style-type: none"> ◆ Check whether the label is more than 0.16 mm thick.
When using the cutter, the labels are not fed through or cut off incorrectly.	<ul style="list-style-type: none"> ◆ Check whether the cutter has been correctly installed. ◆ Check whether the paper guides are functioning correctly.
The label dispenser is not functioning normally.	<ul style="list-style-type: none"> ◆ Check whether there is dust on the label dispenser ◆ Check whether the label stock is positioned correctly.

Note

***If any problems occur that are not described above, please contact your dealer.

APPENDIX

Product Specifications

Model		6416	6416-H
Print Method		Thermal Transfer / Direct Thermal	
Resolution		203 dpi (8 dots/mm)	300 dpi (12 dots/mm)
Print Speed		Up to 6 IPS (150 mm/s)	Up to 4 IPS (102 mm/s)
Print Width		6.61" (168 mm)	
Print Length		Min. 0.16" (4 mm)** ; Max. 118" (3000 mm)	Min. 0.16" (4 mm)** ; Max. 54" (1371 mm)
Memory	Flash	4MB Flash (2MB for user storage)	
	SDRAM	16MB SDRAM	
Sensor Type		Adjustable reflective sensor and transmissive sensor, left aligned	
Media	Types	Continuous form, gap labels, black mark sensing and punched hole: label length set by auto sensing or programming	
	Width	Tear: Min 2" (50,8 mm) Min. – 7" (178 mm) Max. Cutter: Max 6.5" (165 mm) Max. (Heavy duty cutter): 6.8" (172 mm) Max. Dispenser/Rewind : 7" (178 mm) Max.	
	Thickness	Min 0.003" (0.06 mm) – Max 0.01" (0.25 mm)	
	Label roll diameter	Label roll diameter: Max. 8" (203.2 mm) with 3" (76.2 mm) core / Max. 6" (152.4 mm) with 1.5" (38.1 mm) core	
	Core diameter	Min 1.5" (38.1 mm) – Max 3" (76.2 mm)	
Ribbon	Types	Wax, Wax/Resin, Resin	
	Length	Max 1476" (450 m)	
	Width	Width: 2.36" Min - 6.85" (60 mm - 174 mm) Max	
	Ribbon roll diameter	3" (76.2 mm)	
	Core diameter	1" (25.4 mm)	
Printer Language		EZPL CZL (Compuprint Zebra Language CEL (Compuprint Eltron Language) autoswitching	
Software	Label design software	GoLabelCP (for EZPL only)	
	Driver	Windows 2000, XP, Vista, Win7, Win8, Windows Server 2003 & 2008	
	DLL	Windows 2000, XP, Vista, Win7, Windows Server 2003 & 2008	
Resident Fonts	Bitmap fonts	6, 8, 10, 12, 14, 18, 24, 30, 16X26 and OCR A & B Bitmap fonts 90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotatable Bitmap fonts 8 times expandable in horizontal and vertical directions	
	Scalable fonts	90°, 180°, 270° rotatable	
Download Fonts	Bitmap fonts	Bitmap fonts 90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotatable	
	Asian fonts	Asian fonts 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directions	
	Scalable fonts	Scalable fonts 90°, 180°, 270° rotatable	
Barcodes	1-D Bar codes	Code 39, Code 93, Code 128 (subset A, B, C), UCC/EAN-128 K-Mart, UCC/EAN-128, UPC A / E (add on 2 & 5), I 2 of 5, I 2 of 5 with Shipping Bearer Bars, EAN 8 / 13 (add on 2 & 5), Codabar, Post NET, EAN 128, DUN 14, HIBC, MSI (1 Mod 10), Random Weight, Telepen, FIM, China Postal Code, RPS 128 and GS1 DataBar	
	2-D Bar codes	PDF417, Datamatrix code, MaxiCode, QR code and Micro QR code	

Model		6416	6416-H
Code Pages		CODEPAGE 437, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869, 737 WINDOWS 1250, 1251, 1252, 1253, 1254, 1255 Unicode (UTF8, UTF16))	
Graphics		Resident graphic file types are BMP and PCX, other graphic formats are downloadable from the software	
Interfaces		Serial port: RS-232 (DB-9) USB port (default on) CF Card socket Ethernet 10/100Mbps print server (default off; disables USB when in use)	
Control Panel		Backlight graphics LCD display: 128 x 64 dots or 4 lines x 16 characters Three mono-color status-LEDs: Power on, Ribbon out, Media out Control keys: FEED, PAUSE and CANCEL	
Real Time Clock		Standard	
Power		Auto Switching 100-240VAC, 50-60Hz	
Environment	Operation Temperature	41°F to 104°F (5°C to 40°C)	
	Storage Temperature	-4°F to 140°F (-20°C to 60°C)	
Humidity	Operation	30-85%, non-condensing	
	Storage	10-90%, non-condensing	
Agency Approvals		CE(EMC), FCC Class A, CB, cUL, CCC	
Dimension	Length	20.15" (512 mm)	
	Height	11.45" (291 mm)	
	Width	10.78" (274 mm)	
Weight		33 lbs (15Kg) ,excluding consumables	
Options		Cutter Module Internal Rewinder with Label Dispenser (peel) Parallel port (Centronics 36-pin) and PS2 port Applicator Interface (1 input, 3 outputs, power 500mA @ 5V) 802.11 b/g wireless print server (Default off; disables USB when in use. Must remove Ethernet card to install) External label roll holder for 10" (250 mm) O.D. label rolls External label rewinder	

Notice

- * Specifications are subject to change without notice. All company and/or product names are trademarks and/or registered trademarks of their respective owners.
- ** Minimum print height specification compliance can be dependent on non-standard material variables such as label type, thickness, spacing, liner construction, etc. Compuprint is pleased to test non-standard materials for minimum height printing capability.

INTERFACES

Pinout Description

- **USB**

Connector Type : Type B

Pin NO.	1	2	3	4
Function	VBUS	D-	D+	GND

Connector Type : Type A

Pin NO.	1	2	3	4
Function	VBUS	D-	D+	GND

- **Serial Port (DB9)**

Default settings : Baud rate 9600, no parity, 8 data bits, 1 stop bit,
XON/XOFF protocol and RTS/CTS

RS232 Housing (9-pin to 9-pin)

DB9 Socket		DB9 Plug
--	1	+5V (*)
RXD	2	TXD
TXD	3	RXD
DTR	4	N/C
GND	5	GND
DSR	6	RTS
RTS	7	CTS
CTS	8	RTS
RI	9	N/C
Computer		Printer

- **Ethernet (RJ45)**

PIN N°	FUNCTION
1	T+
2	T-
3	R+
4	N/C
5	N/C
6	R-
7	N/C
8	N/C

Note

* The +5 V total current to the serial port may not exceed 500mA.

- PS/2 port

Pin NO.	1	2	3	4	5	6
Function	DATA	N/C	GND	VCC	CLOCK	N/C

PS/2 computer-to-printer interface

Printer				Keyboard
DATA	1	_____	1	DATA
N/C	2	_____	2	N/C
GND	3	_____	3	GND
VCC	4	_____	4	VCC
CLOCK	5	_____	5	CLOCK
N/C	6	_____	6	N/C

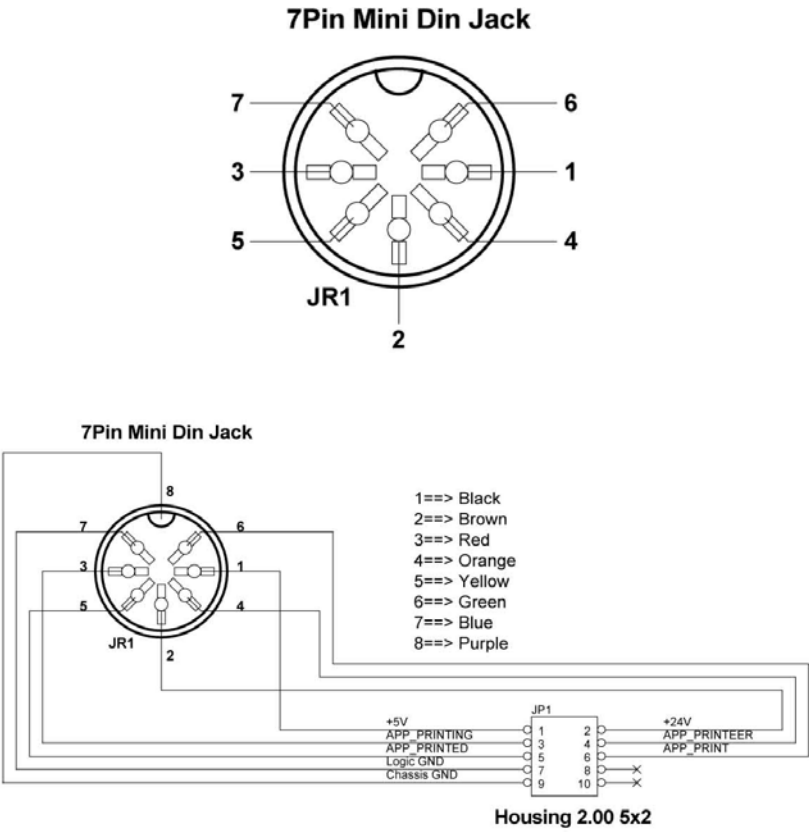
- Internal Interface

UART1 Wafer				Ethernet module
N/C	1	_____	1	N/C
TXD	2	_____	2	TXD
RXD	3	_____	3	RXD
CTS	4	_____	4	CTS
GND	5	_____	5	GND
RTS	6	_____	6	RTS
E_MD	7	_____	7	E_MD
RTS	8	_____	8	RTS
E_RTS	9	_____	9	E_RTS
+5V	10	_____	10	+5V
GND	11	_____	11	GND
+5V	12	_____	12	+5V

UART2 Wafer				Add-on module
N/C	1	_____	1	N/C
TXD	2	_____	2	TXD
RXD	3	_____	3	RXD
CTS	4	_____	4	CTS
GND	5	_____	5	GND
RTS	6	_____	6	RTS
N/C	7	_____	7	N/C
RTS	8	_____	8	RTS
N/C	9	_____	9	N/C
+5V	10	_____	10	+5V
GND	11	_____	11	GND
+5V	12	_____	12	+5V

Applicator Wafer						Applicator module	
+5V	1		1	+5V	1	+5V	1
+24V	2		2	+24V	2	+24V	2
Printing (out)	3		3	Printing	3	Printing	3
Print error (out)	4		4	Print error	4	Print error	4
Printed (out)	5		5	Printed	5	Printed	5
Print (in)	6		6	Print	6	Print	6
GND	7		7	GND	7	GND	7
N/C	8		8		8		8
GND	9		9		9		9
N/C	10		10		10		10

• Applicator port



- **Parallel Port**

PIN N°	FUNCTION	PIN N°	FUNCTION
1	/Strobe	19	GND
2	Data 0	20	GND
3	Data 1	21	GND
4	Data 2	22	GND
5	Data 3	23	GND
6	Data 4	24	GND
7	Data 5	25	GND
8	Data 6	26	GND
9	Data 7	27	GND
10	/Acknowledge	28	GND
11	Busy	29	GND
12	/Paper Empty	30	GND
13	/Select	31	/Initialize
14	/auto-Linefeed	32	/Error
15	N/C	33	GND
16	GND	34	N/C
17	Chassis GND	35	N/C
18	+5V (*)	36	/Select-in

Notice

- * The +5 V total current to the parallel port may not exceed 500mA.
- * The +24 V total current to the applicator port may not exceed 1.5A.



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